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Non-Point Source Studies on Chesapeake Bay. II. Nutrients in Land Runoff from Rhode River Watersheds in 1975 and 1976

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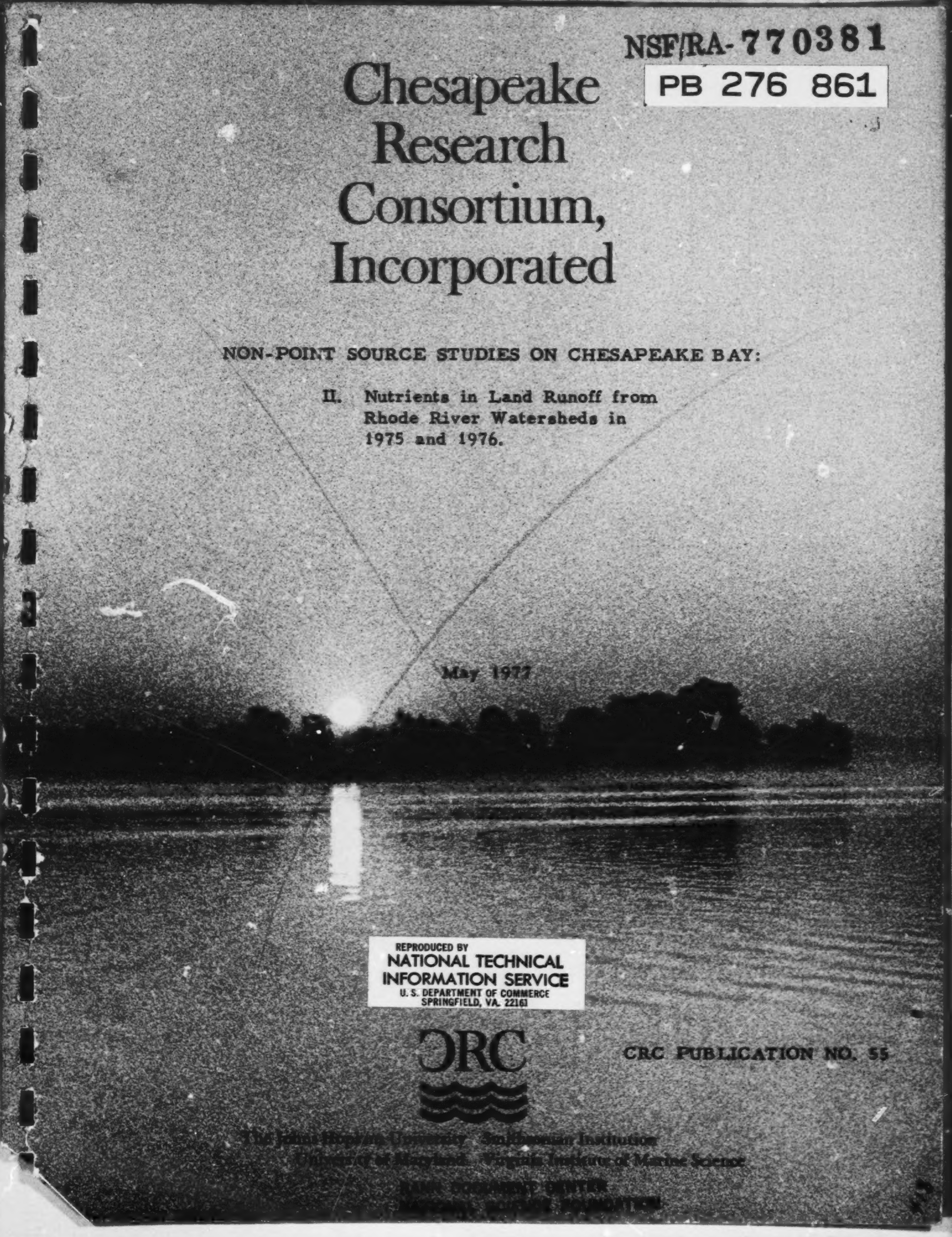

NON-POINT SOURCE STUDIES ON CHESAPEAKE BAY:

II. Nutrients in Land Runoff from Rhode River Watersheds in 1975 and 1976.

May 1977

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16. Abstracts

Part II of this project attempts to: (1) measure the forms and concentrations of nitrogen and phosphorous in precipitation and land runoff for a series of Rhode River subwatershed basins; (2) relate these data to water discharge in order to obtain area yield loading rates; (3) assess how these area yield loading rates vary seasonally and yearly; and (4) relate area yield loadings to the land use composition of the test basins and to land use practices in the basins. This study concludes that the annual average concentrations of total nitrogen and of total phosphorus in land runoff can be predicted by a simple statistical equation relating these concentrations to the percent of watershed in agricultural plus residential uses. Also, it was found that the same equations were equally valid for the whole of the eastern and midwestern United States if soil pH was included as a parameter. A close relationship between land use and runoff composition is documented. The appendix, forming the bulk of the report, provides tables of nutrient concentrations in precipitation and in runoff waters from seven test basins.

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Water flow
Watersheds
Surface water runoff
Land use
Nutrients
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Rhode River

17c. COSATI Field/Group

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NON-POINT SOURCE STUDIES ON CHESAPEAKE BAY

II. Nutrients in Land Runoff from Rhode River Watersheds in 1975 and 1976.

Any opinions, findings, conclusions or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

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Errata page for CRC Report No. 55.

Pages	Changes
19-20	1976 total-N loading for weir 106 should be 2.91 Kg/ha. 1976 total-P loading for weir 106 should be 689 g/ha.
114	For week 173-180 in 1976 flow is 1.654 E + 05.
134	Seasonal summary for 1976 should be:

	Mean Conc.	Area Yield
Spring	1294	1.031 E + 09
Summer	2348	5.645 E + 08
Fall	806	4.339 E + 08
Total Year	1066	3.9197 E + 09

Pages	Changes
137	For week 019-026 of 1976, total-P concentration should be 100.
162-188	The unit for total organic matter should be g-cal rather than ug.
189-216	The weight units should be ug rather than mg.
273-412	The weight units should be ug rather than mg.

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GOALS

1. To measure the forms and concentrations of nitrogen and phosphorus in precipitation and land runoff for a series of Rhode River subwatershed basins.
2. To relate this data to water discharge in order to obtain area yield loading rates.
3. To assess how these area yield loading rates vary seasonally and from year to year.
4. To relate area yield loadings to the land use composition of the test basins and to land use practices in the basins.

INTRODUCTION

The nutrient content of land runoff waters is a matter of national concern. This has been reflected in various water pollution control legislation such as sections 208 and 303 of Public Law 92-500. The primary reason for this concern is the impact of these nutrients upon the receiving waters. These include rivers, lakes, and estuaries. Much thought and many resources have been invested in efforts to control point sources of nutrients. In recent years it has become apparent that non-point sources are also important. In fact, they have been a source of steadily increasing amounts of nutrients as our population increases and brings about more intensified agriculture and more widespread residential developments.

An ongoing national Environmental Protection Agency research project is attempting to document the magnitude of nitrogen and phosphorus loading due to non-point sources and the relationship of this loading to land use [Omernik (1976) and Omernik (in press)]. This study has come to the initial conclusion that the annual average concentrations of total nitrogen and of total phosphorus in land runoff can be predicted by a simple statistical equation relating these concentrations to the percent of watershed in agricultural plus residential uses. This study also found that the same equations were equally valid for the whole of the eastern and midwestern United States if soil pH was included as a parameter. The inclusion of factors for basin slopes, precipitation, and animal densities failed to improve the statistical accuracy of the equations. The confidence limits of the statistical predictions were large, but not so large as to make the application of the equations useless.

The interesting point about this study is the strong, overwhelming effect of disturbance due to land use upon non-point nutrient area yield loadings. The study was not able to address such issues as storm runoff composition, the detailed relationship of land use to water quality, or year to year variations.

The Rhode River non-point source nutrient study has also documented a close relationship between land use and runoff composition. Early results for 1974 were analyzed by solving simultaneous equations relating nutrient discharge to the area of each land use on each watershed /Correll, Pierce, and Faust (1975)/. A strong relationship between land use nutrient inputs and nutrient outputs was reported by Miklas, et al (in press) and Correll, et al (in press) for data gathered in 1975 and 1976. These analyses relied to a certain extent upon a statistical model relating land use to runoff /Chirlin and Correll (in press)/.

The purpose of this publication is to further pursue these analyses of nutrient discharge from Rhode River watersheds and to make the detailed data gathered in 1975 and 1976 available. Extensive data from 1974 was published previously /Correll (1973-74)/.

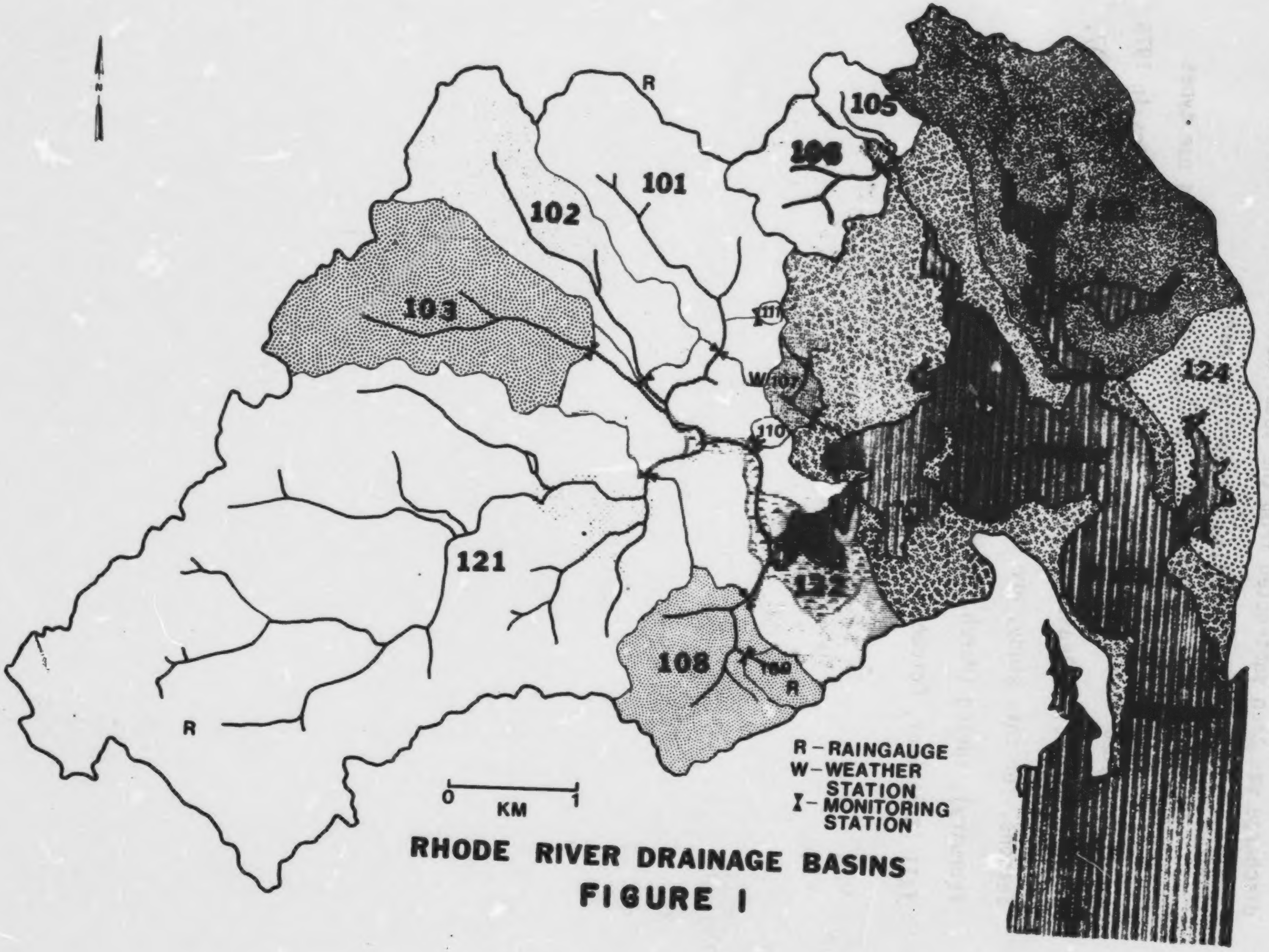
METHODS

Total stream area yield loading of nutrients in runoff was determined from analysis of weekly, composited volume-integrated samples collected at weirs in 1975 and 1976. The Rhode River watershed and the various basins under study are shown in Figure 1. The size and land use analysis of the seven basins discussed in this report are given in Table 1. All weirs were sharp-crested V-notch weirs, which have 85 cm deep, 120° V-notches. All have instrument buildings with stilling wells. Water discharge was monitored for hydrological purposes with a Leupold and Stevens Model 7001 depth recorder. Digital data was transferred to paper punch tape every 15 minutes. Time and rate of water discharge was also measured with a Leupold and Stevens Model 61R flowmeter equipped with a sampling switch. Each pulse from the sampling switch actuated a sampling cycle by triggering a recycling interval timer which controlled a peristaltic pump. The pump drew water from a point just upstream from the bottom of the V-notch and deposited it into a 20 ℓ plastic container. The pumps were protected from freezing by placing them in insulated boxes with thermostated heater strips. Samples were analyzed for total phosphorus, total Kjeldahl nitrogen, and nitrate plus nitrite nitrogen. Total phosphorus was determined colorimetrically by reaction with ammonium molybdate and reduction with stannous chloride (American Public Health Association, 1971) after digestion with perchloric acid (King 1932). Nitrate plus nitrite nitrogen was determined by reduction to nitrite in cadmium amalgam columns (Strickland and Parsons, 1965) and reaction with sulfanilamide (American Public Health Association 1971). Kjeldahl nitrogen determination included digestion with sulfuric acid and hydrogen peroxide, distillation, and color development with Nessler's reagent (Martin 1972). Total nitrogen is the sum of nitrate-nitrogen and total Kjeldahl nitrogen, which includes ammonia and organic nitrogen.

In addition to volume integrated sampling, simple grab samples were taken from all streams at 2 week intervals throughout 1974, 1975, and 1976 and were analyzed for nitrogen and phosphorus. Water discharge rates were recorded at the time grab samples were taken. Most of these samples occurred during times of base flow. Ratios of inorganic nitrogen and phosphorus to total nitrogen and phosphorus were calculated from all grab sample data of 1972-1976. Mean nutrient composition of the streams under base flow conditons was calculated for each season after discarding analyses of grab samples taken during any phase of storm flow. Flow weighted mean concentrations of nitrogen and phosphorus were calculated by dividing the seasonal or annual nutrient discharge by the total flow for that period.

The storm flow-base flow separation technique used on hydrographs was a slight modification of that used by Barnes (1940). A linear hydrograph plot was used instead of a semilogarithmic one to facilitate finding the area under the storm and base flow curves. This might result in a slight underestimation of base flow. The area of these components of flow was obtained using a model 9864A Hewlett-Packard digitizer in conjunction with a model 9810A Hewlett-Packard calculator. The ratio between storm and base flow was then obtained for each time period (usually a 30 day period) and multiplied by the total flow for the period to obtain total storm flow and base flow volumes. To calculate base flow discharge of nutrients, the base flow volume was multiplied by the seasonal mean base flow nutrient concentration. This base flow nutrient discharge was then subtracted from the total nutrient discharge for the time period to obtain storm flow nutrient discharge.

Nutrient outputs per area in runoff from the three land use types were calculated from the annual runoff yields of the seven basins in 1975 using a statistical least squares model [Chirlin and Correll (in press)]. Seasons, for this study, are defined as winter (December, January, February), spring (March, April, May), summer (June, July, August) and fall (September, October, November).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R - RAINGAUGE
W - WEATHER STATION
I - MONITORING STATION

RHODE RIVER DRAINAGE BASINS
FIGURE I

TABLE 1. LAND USE ANALYSIS OF RHODE RIVER ESTUARY WATERSHEDS UNDER STUDY.

Hectares in each land use category in 1976*

Basin	Row crops	Hay fields	Upland wet areas	Tidal marshes	Forest
101 (North Branch of Muddy Creek)	21.6 (9.6)	0.72 (0.3)	2.40 (1.1)	0.00	85.3
102 (Blue Jay Branch of Muddy Creek)	34.8 (18.1)	6.68 (3.5)	0.97 (0.5)	0.00	90.6
103 (Williamson Branch of Muddy Creek)	5.09 (2.0)	10.4 (4.1)	0.68 (0.3)	0.00	159
105 (North Branch of Sellman Creek)	4.91 (13.1)	1.52 (4.1)	0.00	0.00	11.7
106 (South Branch of Sellman Creek)	12.1 (12.7)	14.7 (15.4)	0.00	0.00	42.8
107 (Fox Creek)	2.45 (3.5)	0.00	0.19 (6.7)	0.00	16.8
108 (Steinlein Branch of Muddy Creek)	35.2 (23.5)	14.2 (9.5)	1.36 (9.1)	0.00	58.4

* The numbers in parentheses are percentages.

TABLE 1. LAND USE ANALYSIS OF RHODE RIVER ESTUARY WATERSHEDS UNDER STUDY.

Hectares in each land use category in 1976*

	Old fields		Pasture		Feedlots[7]	Residential and others		Total area
(37.7)	41.6	(18.4)	60.7	(26.9)	0.000	13.6	(6.0)	226
(47.2)	13.0	(6.8)	34.8	(18.1)	0.036	10.8	(5.6)	192
(62.8)	35.6	(14.1)	31.4	(12.4)	0.062	11.6	(4.6)	253
(31.2)	18.4	(49.1)	0.80	(2.1)	0.000	0.16	(0.4)	37.5
(44.9)	4.77	(5.0)	19.6	(20.7)	0.100	1.22	(1.3)	95.3
(59.6)	4.67	(16.6)	2.54	(9.0)	0.000	1.56	(5.5)	28.2
(38.9)	20.2	(13.5)	16.2	(10.8)	0.028	4.82	(3.2)	150

* The numbers in parentheses are percentages.

RESULTS

The detailed nutrient and water discharge data for the Rhode River test basins, which were collected during 1975 and 1976 are given in the appendix. This data has been converted to discharge per hectare for convenience and has also been summarized seasonally and annually. Precipitation nutrient composition and area loading rates are also in the appendix. Thus, the detailed data are available for many types of use or more detailed analysis. Many analyses of these data have already been reported /Correll, et al (in press); Chirlin and Correll (in press)/ and will not be reported here. However, some of the many possible and as yet unpublished, analyses of the data have now been carried out and are included in this report.

Hydrologic data from basin 101 for 1975 which was divided into storm flow and base flow, as well as nitrogen and phosphorus discharge in these two types of flow are given in Table 2. The year was a 'wet' year with 142.4 cm of precipitation. Seventy-six percent of runoff was as base flow and 24 percent as storm flow. Phosphorus was discharged in a completely different pattern with 66 percent in storm runoff. The highest flows and phosphorus discharge were in the spring, although summer and fall storm water discharges were higher than spring storm water discharge. In all seasons base flow exceeded storm water discharge. Storm discharge of phosphorus exceeded base flow phosphorus discharge except in winter. In contrast, only 43 percent of the annual total nitrogen discharge was in storm runoff. Summer was the only season in which storm total nitrogen discharge exceeded the base flow discharge, and it was also the season with the largest total output of nitrogen. Grab samples were

Table 2. Seasonal base flow and storm flow discharges of water, total phosphorus, and total nitrogen from basin 101 in 1975.

	Flow (ℓ) Total	Flow (ℓ) Base	Flow (ℓ) Storm
Winter	1.60×10^8	1.34×10^8	2.62×10^7
Spring	2.90×10^8	2.38×10^8	5.12×10^7
Summer	1.35×10^8	7.52×10^7	5.94×10^7
Fall	2.56×10^8	1.89×10^8	6.67×10^7
Total	8.41×10^8	6.36×10^8	2.04×10^8

P-Discharge

	Total		Base		Storm	
	(Kg P)	(µg P/ℓ)	(Kg P)	(µg P/ℓ)	(Kg P)	(µg P/ℓ)
Winter	16.5	103	11.4	85	5.1	195
Spring	134	515	25.5	107	108	2110
Summer	67.2	498	18.1	241	49.1	827
Fall	110	430	49.9	264	59.8	897
Total (or mean)	328	390	105	165	222	1088

N-Discharge

	Total		Base		Storm	
	(Kg N)	(µg N/ℓ)	(Kg N)	(µg N/ℓ)	(Kg N)	(µg N/ℓ)
Winter	109	807	70.3	525	38.7	1477
Spring	178*	614	133*	559	44.5*	869
Summer	259	1918	96.1	1278	161	2710
Fall	220	859	134	709	85.6	1283
Total (or mean)	766	872	433	681	330	1618

* Two weeks of discharge data missing.

routinely analyzed for various forms of nitrogen and phosphorus (see appendix). Summaries of the average percentages of total nitrogen present as nitrate and as ammonia and the average percentages of total phosphorus present as soluble phosphorus are given in Table 3. Values are summarized by basin, by season, and for several years. It can be seen that nitrate as a percentage of total nitrogen in grab samples declines from winter to spring to summer to fall with the exception of the fall of 1975, which was unusually wet. Ammonia is always a low percentage of total nitrogen and has no strong seasonal pattern. Total soluble phosphorus in grab samples is the highest percentage (23-40%) of total phosphorus in the fall and winter. This ratio is probably more characteristic of base flow conditions. However, in a single storm event sampled manually in winter, 1977, the average proportion of total phosphorus present as soluble phosphorus averaged 14.6% for basin 101 and 16.7% for 102 during the storm. Thus, the soluble portion of total phosphorus in stream flow is decreased by approximately 50% during storms.

The most simplistic relationship between land use and nutrient discharge would be a linear relation between percentage of managed (or disturbed) watershed and area yield loading or concentrations of nutrients in discharge waters. Generally those Rhode River watersheds with the greatest proportion of disturbance (row crops, pasture, residential, roads) were found to have the highest area yield loading rates of nitrogen and phosphorus (Figures 2 and 3). Area yields for 1975 and 1976 are shown. No large changes were evident for nitrogen between these two years. For phosphorus the data is more variable. There is a less consistent relationship to percentage of managed lands and a much larger change in loading rates between 1975 and 1976. Flow-weighted mean

Table 3. Seasonal patterns of nitrate and ammonia as a percentage of total nitrogen and total soluble phosphorus as a percentage of total phosphorus in grab samples of runoff waters from Rhode River basins in 1974, 1975 and 1976.

A. Nitrate as percent of total nitrogen.

	Basin 101	102	103	105	106	107	108	101 - 108
Winter								
1974	51.9	66.8	58.7	-	-	47.3	62.0	57.3 ± 7.8
1975	44.6	43.4	45.2	-	-	45.4	39.8	43.7 ± 2.3
1976	55.3	58.3	46.7	26.0	66.6	59.0	54.5	52.3 ± 13.1
3 yr. aver. ±σ	50.6 ± 5.5	56.2 ±12.0	50.2 ± 7.4	26.0 ± 7.0	66.6 ±10.0	50.6 ± 7.4	52.1 ±11.3	
Spring								
1973	50.9	55.7	48.3	-	-	-	62.4	
1974	44.7	34.2	36.4	-	-	55.2	50.9	44.3 ± 9.0
1975	53.2	41.1	25.3	29.0	44.8	56.0	32.0	40.2 ± 12.0
1976	43.8	48.2	38.9	32.2	45.1	52.8	37.8	42.7 ± 7.0
4 yr. aver. ±σ	48.2 ± 4.6	44.8 ± 9.2	37.2 ± 9.5	30.6	44.9	54.7 ± 1.7	45.8 ±13.6	

Table 3. (Continued)

A. Nitrate as percent of total nitrogen.

				Basin				
Summer	101	102	103	105	106	107	108	101 - 108
1973	36.0	42.2	40.6	-	-	-*	37.8	39.1 ± 2.8
1974	28.4	30.0	31.7	-	-	45.6	31.7	33.5 ± 6.9
1975	21.2	30.5	22.2	12.0	26.9	34.5	20.1	23.9 ± 7.4
1976	28.2	41.5	28.6	15.0	17.0	35.9	25.3	27.4 ± 9.5
4 yr. aver. ±σ	28.4 ± 6.0	36.1 ± 6.7	38.7 ± 7.6	13.5	22.0	38.7 ± 6.0	28.7 ± 7.7	
Fall								
1973	8.0	-	-	-	-	-	30.2*	
1974	2.5	9.4	-	-	-	2.8	13.9	7.2 ± 5.5
1975	38.7	40.0	24.2	18.8	52.4	42.2	32.8	35.6 ± 11.4
1976	27.9	49.7	26.7	19.3	39.4	24.1	19.6	29.5 ± 11.2
4 yr. aver. ±σ	19.3 ±16.9	33.0 ±21.0	25.5	19.0	23.0	23.0 ±19.7	24.1 ± 8.9	

* n (number of samples) = 2

Table 3. (Continued)

B. Ammonia as percent of total nitrogen.

				Basin				
Winter	101	102	103	105	106	107	108	101 - 108
1974	-	-	-	-	-	7.2	-	
1975	8.2	7.0	5.3	-	-	9.6	5.5	7.1 ± 1.8
1976	8.5	6.6	11.1	8.2	6.0	8.3	7.4	8.0 ± 1.6
3 yr. aver.	8.4	6.8	8.2	8.2	6.0	8.9	6.5	
Spring								
1974	6.8	6.8	8.2	-	-	6.4	7.5	7.1 ± 0.7
1975	6.7	10.4	6.8	5.6	7.6	6.3	7.7	7.3 ± 1.5
1976	10.5	9.2	10.0	13.8	8.8	6.0	7.5	9.4 ± 2.5
3 yr. aver.	8.0	8.8	8.3	9.7	8.2	6.2	7.6	

Table 3. (Continued)

B. Ammonia as percent of total nitrogen

Summer	101	102	103	Basin 105	106	107	108	101 - 108
1974	9.7	9.3	9.4	-	-	10.2*	13.8	10.5 ± 1.9
1975	10.0	9.6	12.9	9.5	9.9	9.6	7.1	9.8 ± 1.7
1976	13.0	5.7	4.7	16.6	13.9	5.3	5.9	9.3 ± 5.0
3 yr. aver. ±σ	10.9 ± 1.8	8.2 ± 2.2	9.0 ± 4.0	13.0	11.9	8.3 ±4.0	9.0 ± 4.0	
Fall								
1974	5.2	8.3	-	-	-	10.6	10.8	8.7 ± 2.6
1975	7.3	6.7	9.7	8.6	8.0	5.5	7.4	7.6 ± 1.4
1976	10.9	9.6	8.8	6.6	10.9	10.0	8.4	9.3 ± 1.5
3 yr. aver. ±σ	7.8 ± 2.9	8.2 ± 1.5	9.3	7.6	9.4	8.7 ± 2.8	8.9 ± 1.7	

Table 3. (Continued)

C. Total soluble phosphorus as percent of total phosphorus

				Basin				
Winter	101	102	103	105	106	107	108	101 - 108
1972	20.8	17.9	21.0	-	-	-	-	19.9 ± 1.7
1973	22.4	25.6	24.6	-	-	-	16.6	22.3 ± 4.0
1974	31.3	25.8	52.9	-	-	34.6	39.5	36.8 ± 10.3
1975	31.4	27.4	43.0	-	-	42.1	40.5	36.9 ± 7.0
1976	38.2	26.6	38.8	33.5	22.2	50.4	33.7	34.8 ± 9.1
5 yr. aver. ±σ	28.8 ± 7.2	24.6 ± 3.9	36.1 ±13.0	33.5	22.2	42.4 ± 7.9	32.6 ±11.0	
Spring								
1972	17.1	25.7	16.6	-	-	-	-	19.0 ± 5.1
1973	17.3	19.9	22.0	-	-	-	35.9	23.7 ± 8.1
1974	21.0	28.5	36.7	-	-	35.1	21.3	28.5 ± 7.4
1975	21.5	27.9	49.6	31.2	36.5	25.5	31.9	32.0 ± 9.1
1976	18.7	14.9	25.8	20.1	29.2	32.4	23.4	23.5 ± 6.1
5 yr. aver. ±σ	19.0 ± 2.1	23.4 ± 5.9	30.1 ±13.2	25.6	32.8	31.0 ± 4.9	28.0 ± 6.7	

Table 3. (Continued)

C. Total soluble phosphorus as percent of total phosphorus

	Basin							
Summer	101	102	103	105	106	107	108	101 - 108
1972	23.0	26.1	19.0	-	-	-	-	22.7 ± 3.6
1973	27.8	9.8	20.6	-	-	-	13.2	17.8 ± 8.0
1974	19.1	26.1	27.9	-	-	48.8	31.1	30.6 ± 11.1
1975	32.3	22.3	27.1	18.3	23.0	38.4	23.0	26.3 ± 6.9
1976	23.6	10.2	34.0	14.3	7.9	31.5	19.0	20.1 ± 10.2
5 yr. aver.	25.2	18.9	25.7	16.3	15.4	39.6	21.6	
±σ	± 5.0	± 8.3	± 6.0			± 8.7	± 7.5	
Fall								
1971	39.5	31.9	36.5	-	-	-	-	36.0 ± 3.8
1972	24.6	21.7	21.7	-	-	-	-	22.7 ± 1.7
1973	43.5	-	-	-	-	-	-	- ± -
1974	56.8	33.2	-	-	-	43.8	60.0*	48.4 ± 12.3
1975	56.8	25.9	46.9	29.1	19.9	40.9	33.6	36.1 ± 12.9
1976	23.7	18.2	29.2	26.9	18.0	21.7	26.2	23.4 ± 4.4
5 yr. aver.	40.8	26.2	33.6	28.0	18.9	35.5	39.9	
±σ	±14.7	± 6.4	±10.7			±12.0	±17.7	

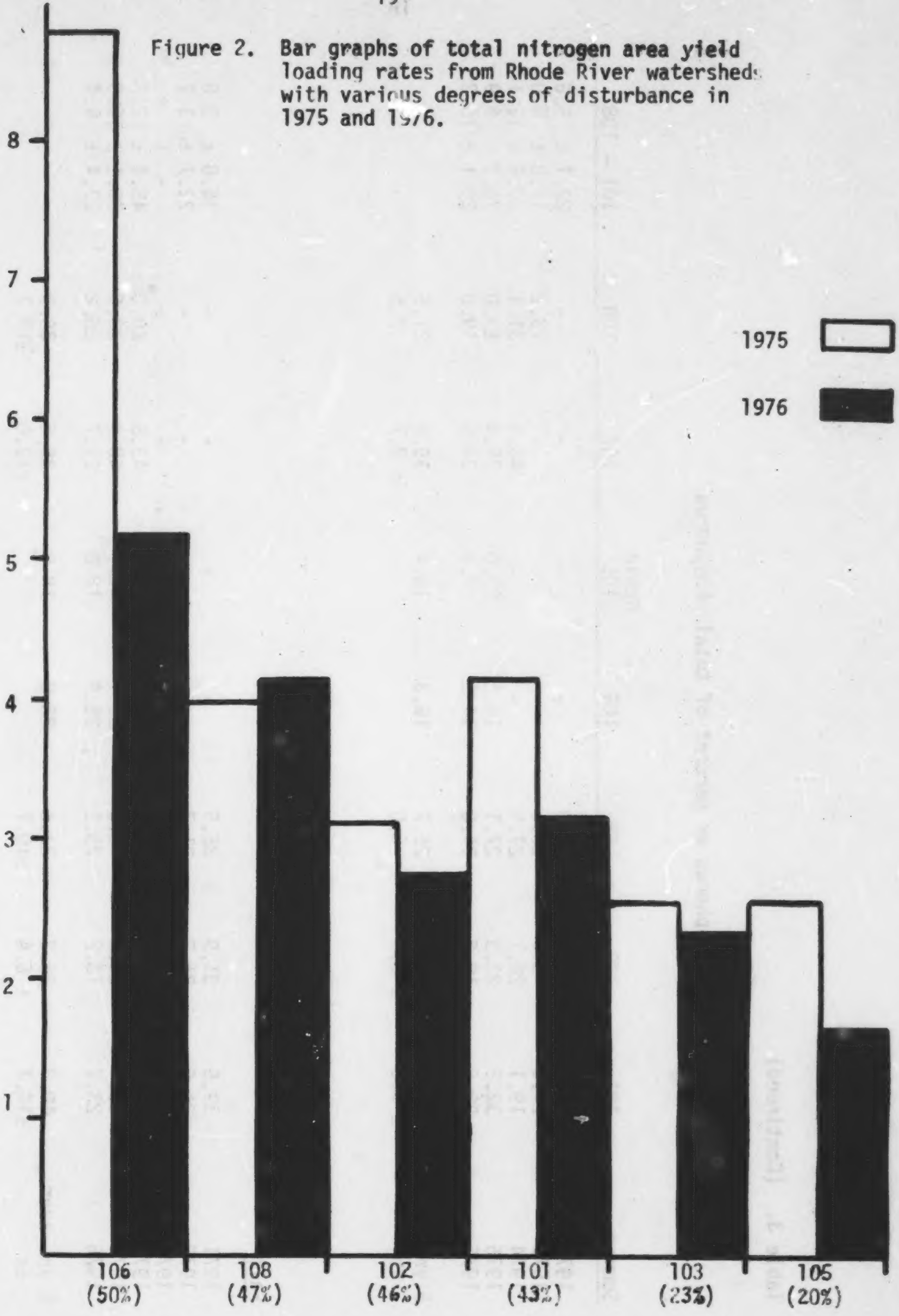


Figure 2. Bar graphs of total nitrogen area yield loading rates from Rhode River watersheds with various degrees of disturbance in 1975 and 1976.

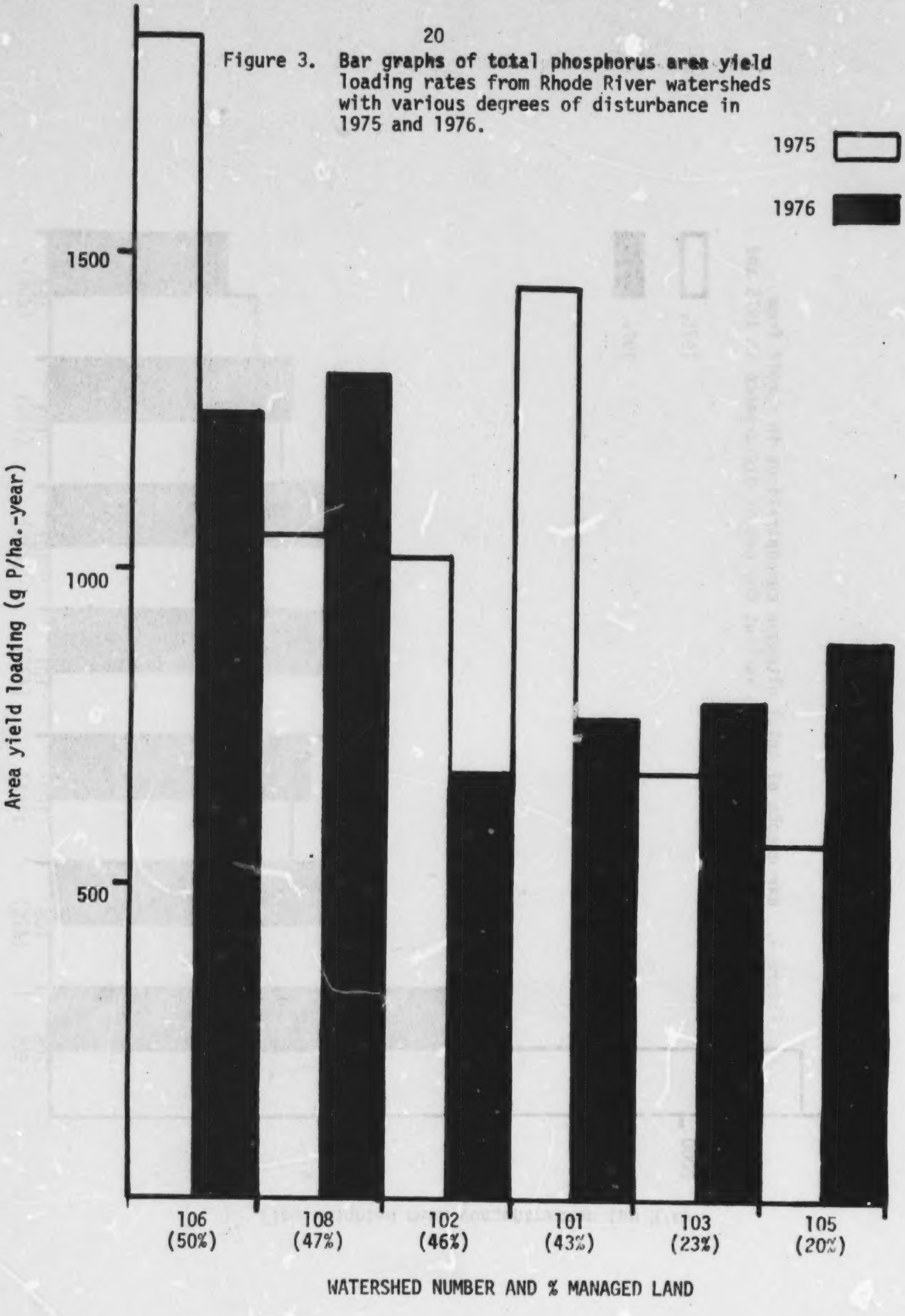


Figure 3. Bar graphs of total phosphorus area yield loading rates from Rhode River watersheds with various degrees of disturbance in 1975 and 1976.

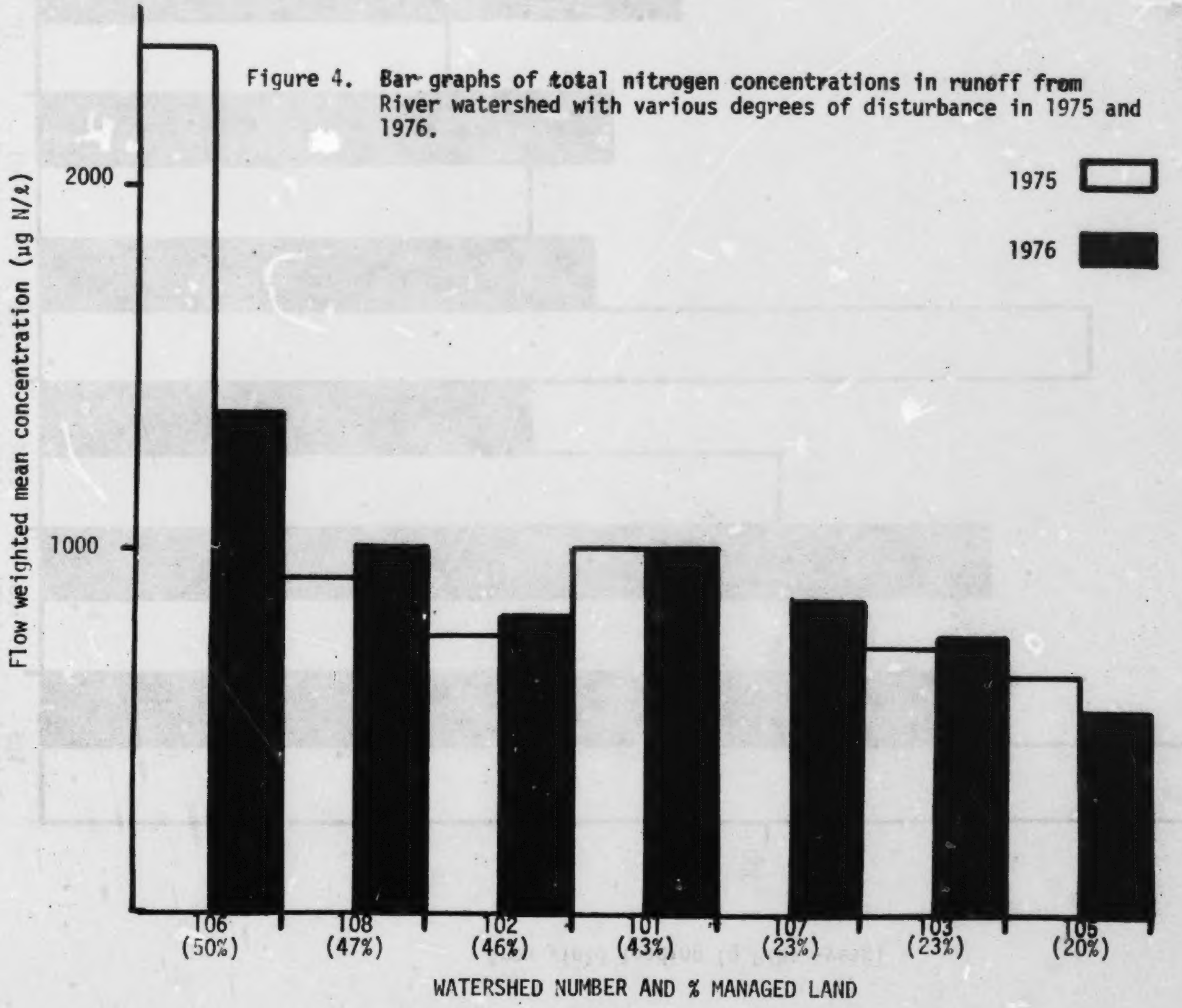
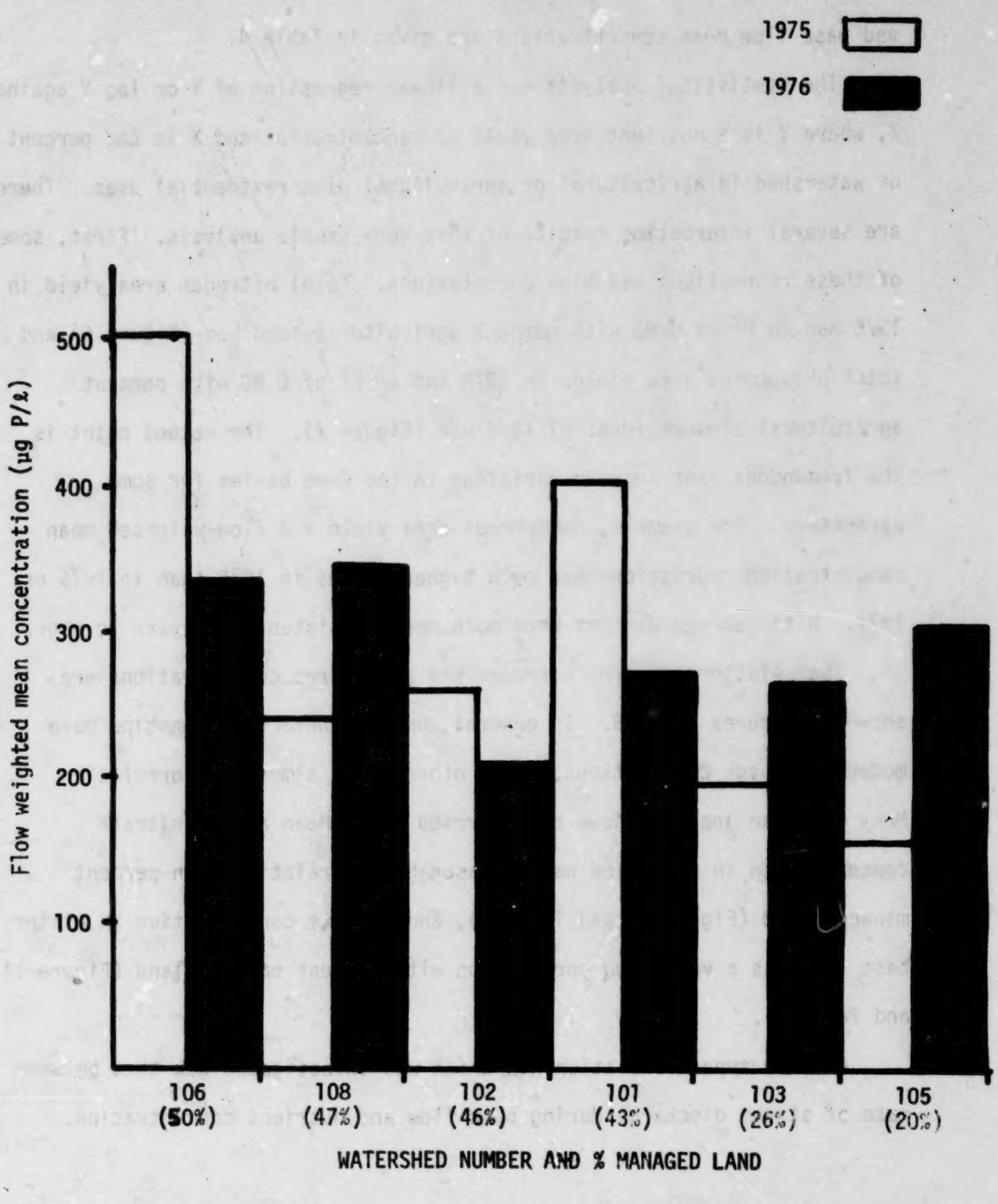


Figure 4. Bar graphs of total nitrogen concentrations in runoff from River watershed with various degrees of disturbance in 1975 and 1976.

Figure 5. Bar graphs of total phosphorus concentration in runoff from Rhode River watersheds with various degrees of land disturbance in 1975 and 1976.



nitrogen and phosphorus concentrations are shown in Figures 4 and 5 for 1975 and 1976. The results of a methodical statistical evaluation of this type of data for Rhode River test basins in 1974, 1975 and 1976 for total nitrogen and total phosphorus area yields, flow-weighted mean concentrations and base flow mean concentrations are given in Table 4.

The statistical analysis was a linear regression of Y or log Y against X, where Y is a nutrient area yield or concentration and X is the percent of watershed in agricultural or agricultural plus residential uses. There are several interesting results of this very simple analysis. First, some of these regressions had high correlations. Total nitrogen area yield in 1976 had an R^2 of 0.82 with percent agricultural land use (Figure 6) and total phosphorus area yields in 1975 had an R^2 of 0.80 with percent agricultural plus residential land use (Figure 7). The second point is the tremendous year to year variation in the same basins for some parameters. For example, phosphorus area yield and flow-weighted mean concentration regressions had much higher slopes in 1975 than in 1976 or 1974. Nitrogen regressions were much more consistent from year to year.

The relationships for nitrogen and phosphorus concentrations are shown in Figures 8 and 9. In general some of these relationships have moderately high correlations, while others have almost no correlation. Many of these analyses have been carried out. Mean annual nitrate concentration in base flow has a reasonable correlation with percent managed land (Figure 10 and Table 4), and nitrate concentration in winter base flow has a very high correlation with percent managed land (Figure 11 and Table 4).

Another type of relationship which was investigated was that between rate of stream discharge during base flow and nutrient concentration.

Table 4. The results of least squares linear regression analysis of nutrient data from six Rhode River watersheds versus percentage of disturbed or managed lands present on each basin. The regression results are expressed as Y or log Y = ax + b.

Log Y	x	Year	a	b	R^2
Total phosphorus area yield (g P/ha. year)	% Ag + R	1974	0.0142	1.89	0.70**
	% Ag*	1975	0.0135	2.54	0.79
"	% Ag + R*	1975	0.0175	2.30	0.80
"	% Ag	1976	0.0045	2.81	0.24
"	% Ag + R	1976	0.0022	2.86	0.067
Total phosphorus flow-weighted mean conc. (μg P/ℓ)	% Ag + R	1974	0.0136	1.64	0.79**
	% Ag	1975	0.0170	1.90	0.78
"	% Ag + R	1975	0.0118	1.98	0.64
"	% Ag	1976	0.0010	2.41	0.041
"	% Ag + R	1976	0.0004	2.44	0.005
Total phosphorus base flow mean concentration	% Ag + R	1974 + 1975	0.0016	2.07	0.083
Total nitrogen area yield (Kg N/ha. year)	% Ag + R	1974	0.170	2.44	0.72**
	% Ag	1975	0.0129	3.14	0.66
"	% Ag + R	1975	0.0114	3.14	0.56
"	% Ag	1976	0.0127	3.04	0.82
"	% Ag + R	1976	0.0125	2.99	0.81

Table 4. (Continued)

Log Y	x	Year	a	b	R^2
Total nitrogen flow-weighted mean conc. (mg N/ℓ)	% Ag + R	1974	0.0143	2.24	0.67**
	% Ag	1975	0.0117	2.59	0.53
"	% Ag + R	1975	0.0104	2.56	0.45
"	% Ag	1976	0.008	2.72	0.61
"	% Ag + R	1976	0.0092	2.61	0.74
Total nitrogen base flow mean concentration (mg N/ℓ)	% Ag + R	1974 + 1975	0.0060	2.53	0.42
Nitrate base flow mean conc. (μg N/ℓ)	% Ag + R	1974 + 1975	5.78	48.6	0.63
"	% Ag + R	Winter 1974 1975	9.53	20.9	0.97
"	% Ag + R	Fall 1975	9.51	-59.6	0.57

* Ag stands for agricultural and includes row crops, hay and pastures. R stands for residential and includes commercial, residential, roads, etc.

** n (number of basins) = 4, including basins 101, 102, 103, and 108.

Figure 6. Linear regression of basin total nitrogen area yield loading in runoff versus percentage of managed area in the basins.

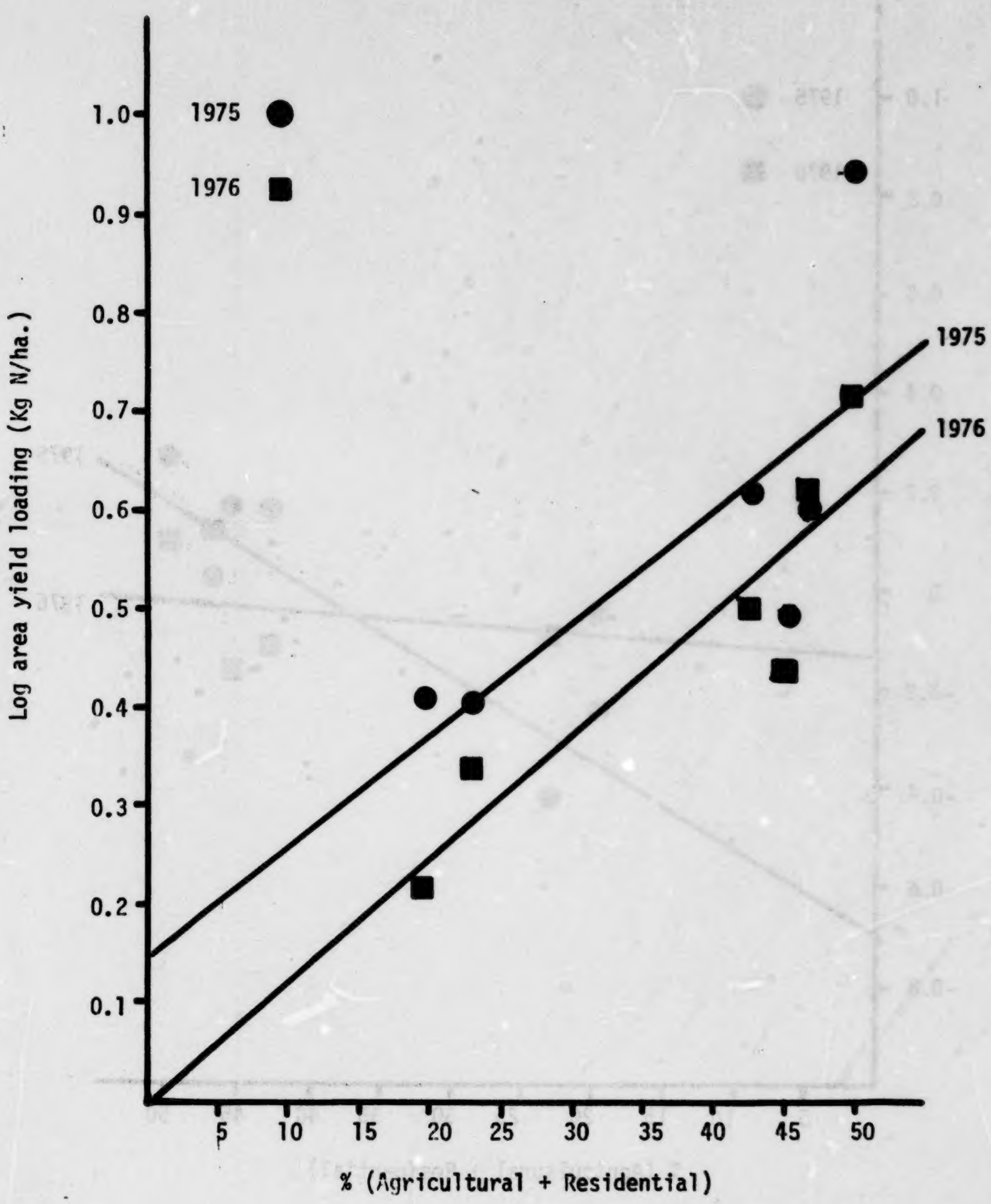


Figure 7. Linear regression of basin total phosphorus area yield loading in runoff versus percentage of managed area in the basins.

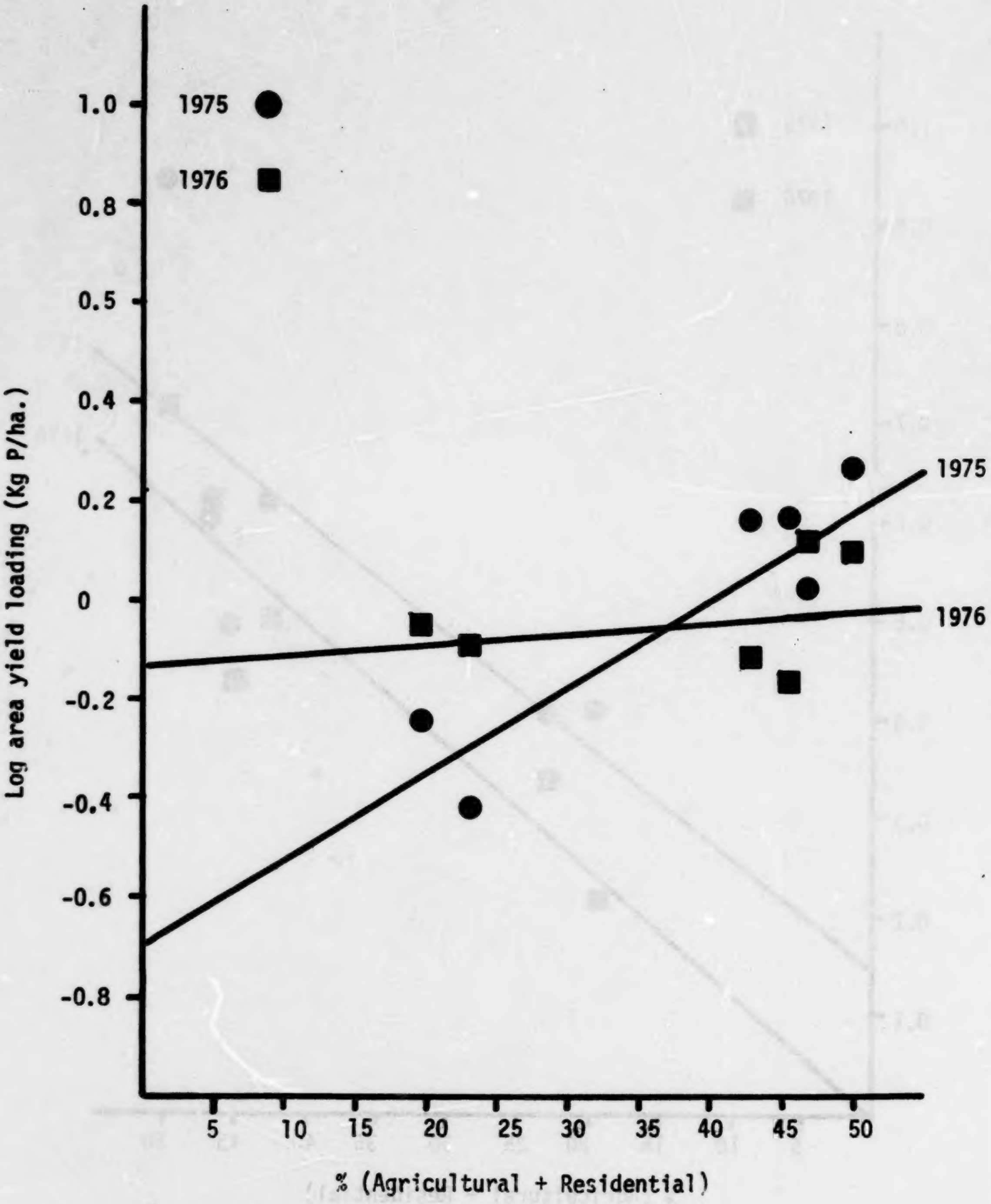


Figure 8. Linear regression of total nitrogen concentration versus percentage of managed land in basins.

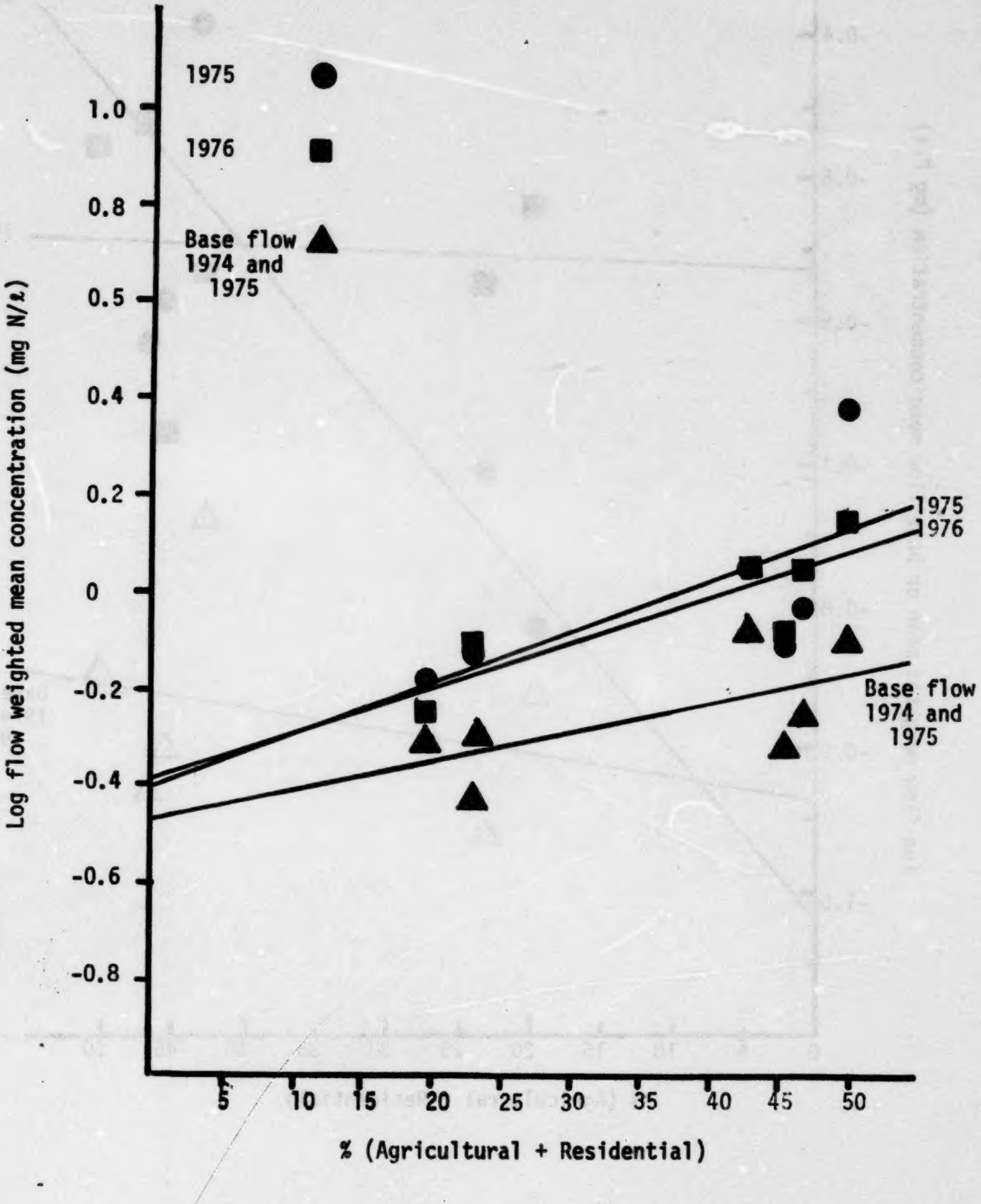


Figure 9. Linear regression of total phosphorus concentrations versus percentage of managed lands in the basins.

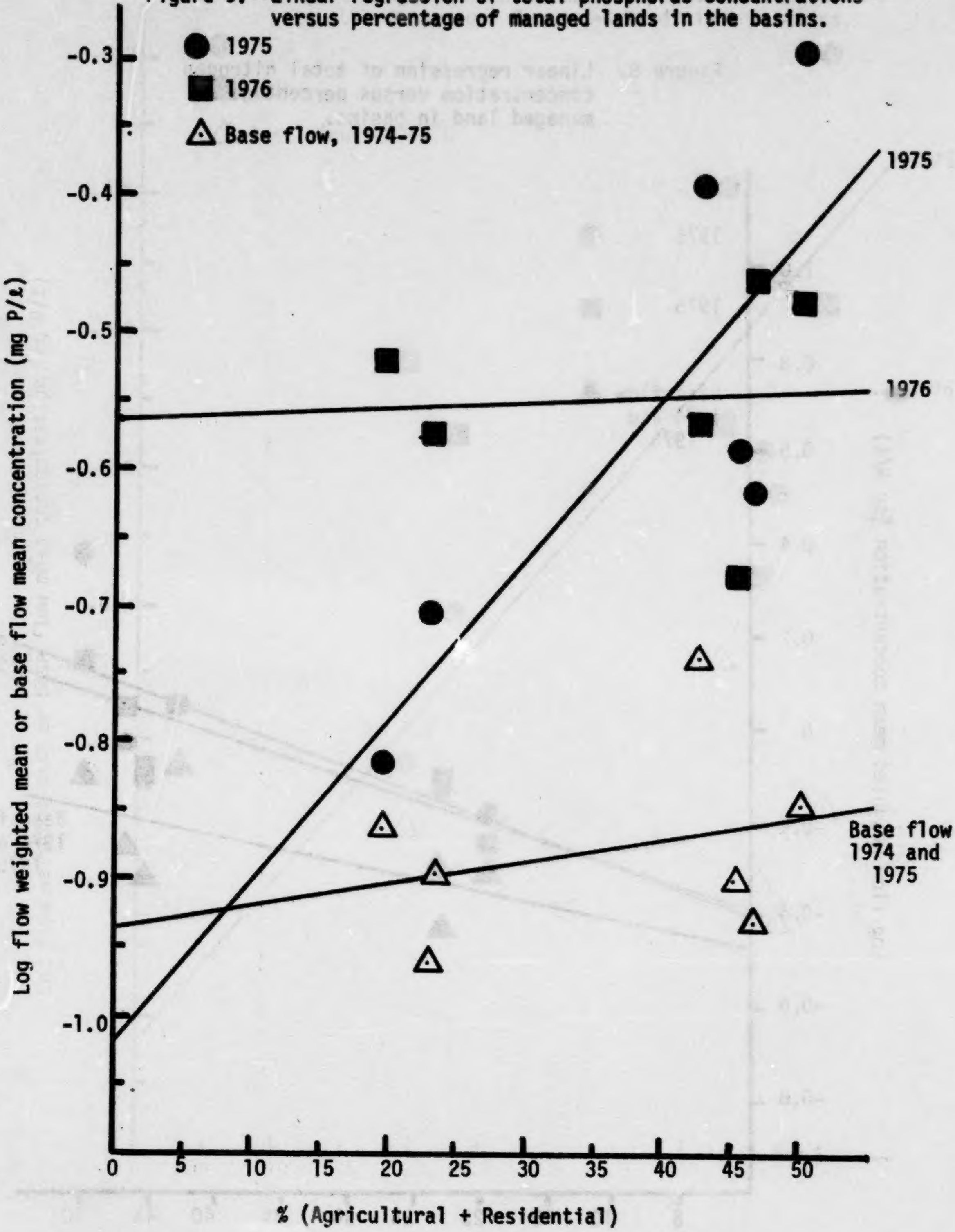


Figure 10. Linear regression of base flow mean annual nitrate concentrations versus percentage of managed land in the basins for 1974 and 1975.

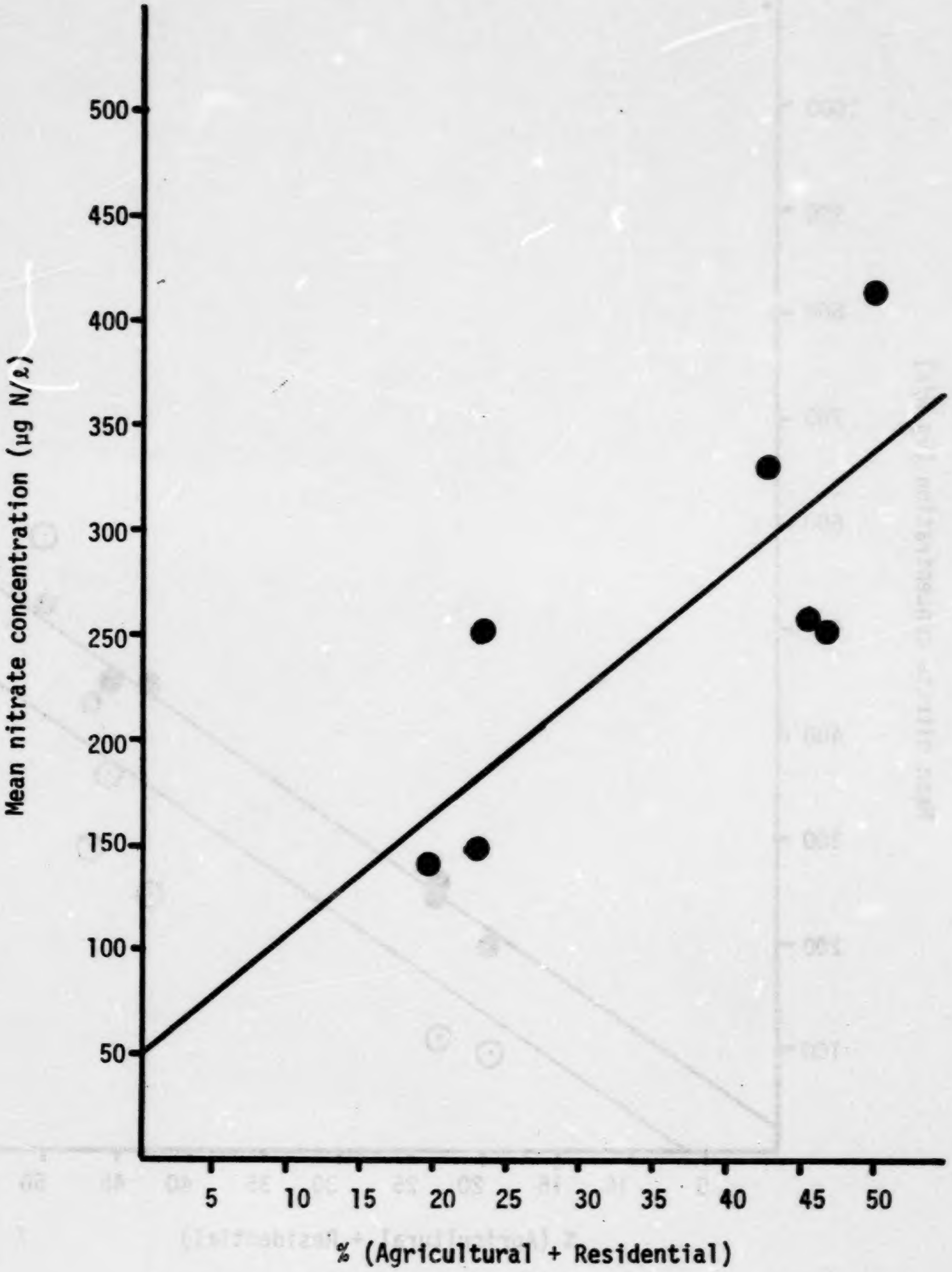
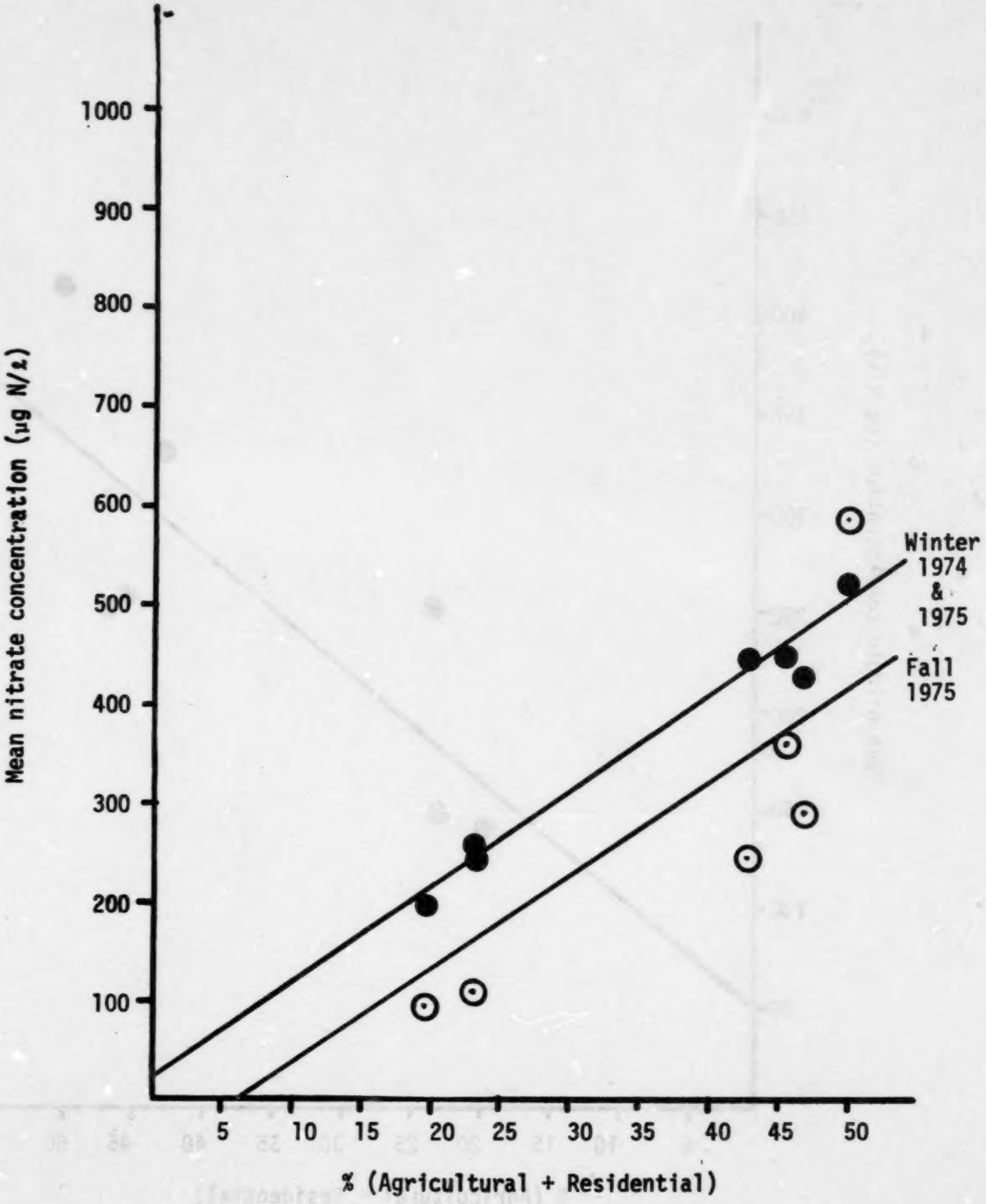


Figure 11. Regression of base flow seasonal mean nitrate concentrations versus percentage of managed land in the basins.



Some of the results of regressing base flow parameters against nutrient parameters are given in Table 5. All of the data is from basin 101 and spans the interval of 1971-1976. Nitrate concentration versus flow are illustrated in Figure 12 for winter and Figure 13 for spring. Log total soluble phosphorus concentration versus log base flow is shown in Figure 14 for fall. Log total phosphorus concentration versus log base flow is shown for winter in Figure 15, spring in Figure 16, summer in Figure 17 and fall in Figure 18. Log total phosphorus concentration versus log base flow for the years 1971 through 1976 are shown in Figure 19. In general these regressions have lower correlations than those in Table 4. If grab sample data taken during storm flows had been included, these regressions would have had much lower correlations. Thus, grab sampling is a poor choice for the measurement of discharge area yields or concentrations.

A statistical model based upon multiple regression and weighting factors was used to relate the area yields of various study basins to the proportion of land in three different uses for various time intervals. The results of this analysis, given in Table 6 show that pastureland yields the largest quantitites of nitrogen and phosphorus in the Rhode River watershed.

Another type of analysis has been made which directly relates nitrogen and phosphorus inputs to area yield loadings in runoff on a basin by basin basis. These input loadings, which are due to human land use practices, are actual measured loadings. Figure 20 shows the relationship for nitrogen. Note the difference between the slopes for 1975 and those for 1974 and 1976. This is presumably due to the fact that 1975 was an unusually wet year. Both regressions had high correlations.

Table 5. The results of least squares linear regression analysis of nutrient data from Rhode River basin 101 versus water discharge rates during base flow periods from 1971 through 1976. The regression results are expressed as Y = ax + b.

Y = log total phosphorus (µg P/ℓ)

	x	a	b	R^2	n	F
Winter	log flow (ℓ/sec.)	-0.331	2.35	0.37	24	12.8
Spring	"	-0.249	2.31	0.18	28	5.5
Summer	"	-0.189	2.40	0.33	26	12.0
Fall	"	-0.395	2.48	0.47	20	15.8
Entire year (1971-1976)	"	-0.370	2.47	0.61	83	123

Y = log total soluble phosphorus (µg P/ℓ)

	x	a	b	R^2	n	F
Winter	log flow (ℓ/sec.)	-0.706	2.30	0.16	19	2.3
Spring	"	-0.323	1.69	0.093	36	3.5
Summer	"	-0.117	1.74	0.23	21	1.9
Fall	"	-0.494	2.03	0.31	17	6.0

Table 5. The results of least squares linear regression analysis of nutrient data from Rhode River basin 101 versus water discharge rates during base flow periods from 1971 through 1976. The regression results are expressed as Y = ax + b.

	x	a	b	R^2	n	F
			Y = total nitrogen (µg N/ℓ)			
Spring	log flow (ℓ/sec.)	5.02	673	0.086	16	1.3
Summer	"	-23.0	1231	0.031	13	0.36
Fall	"	-35.4	1133	0.017	12	0.2
			Y = log total nitrogen (µg N/ℓ)			
Fall	"	-0.03	2.92	0.003	12	0.03
Summer	"	-0.01	3.05	0.082	13	0.99
			Y = nitrate (µg N/ℓ)			
Winter	"	3.69	343	0.17	23	4.2
Spring	"	5.12	258	0.37	26	14.0
Summer	"	-0.249	136	0.022	18	0.02
Fall	"	3.90	329	0.007	27	0.17
			Y = log nitrate (µg N/ℓ)			
Winter	"	0.231	2.31	0.21	23	5.7

Figure 12. Linear regression of nitrate concentration in base flow from basin 101 in the winter for 1971 - 1976.

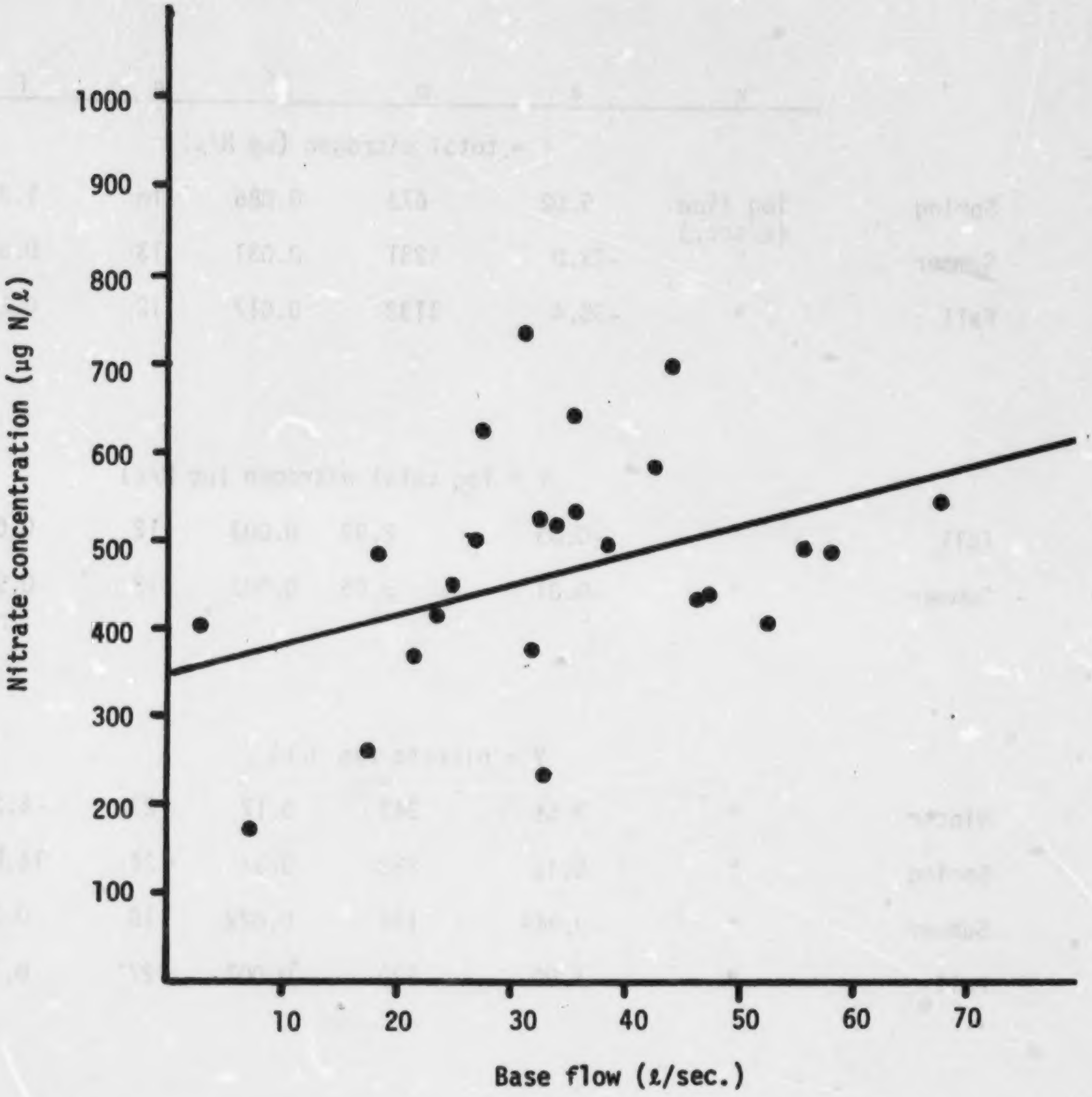


Figure 13. Linear regression of nitrate concentrations in base flow from basin 101 in the spring for 1971 - 1976.

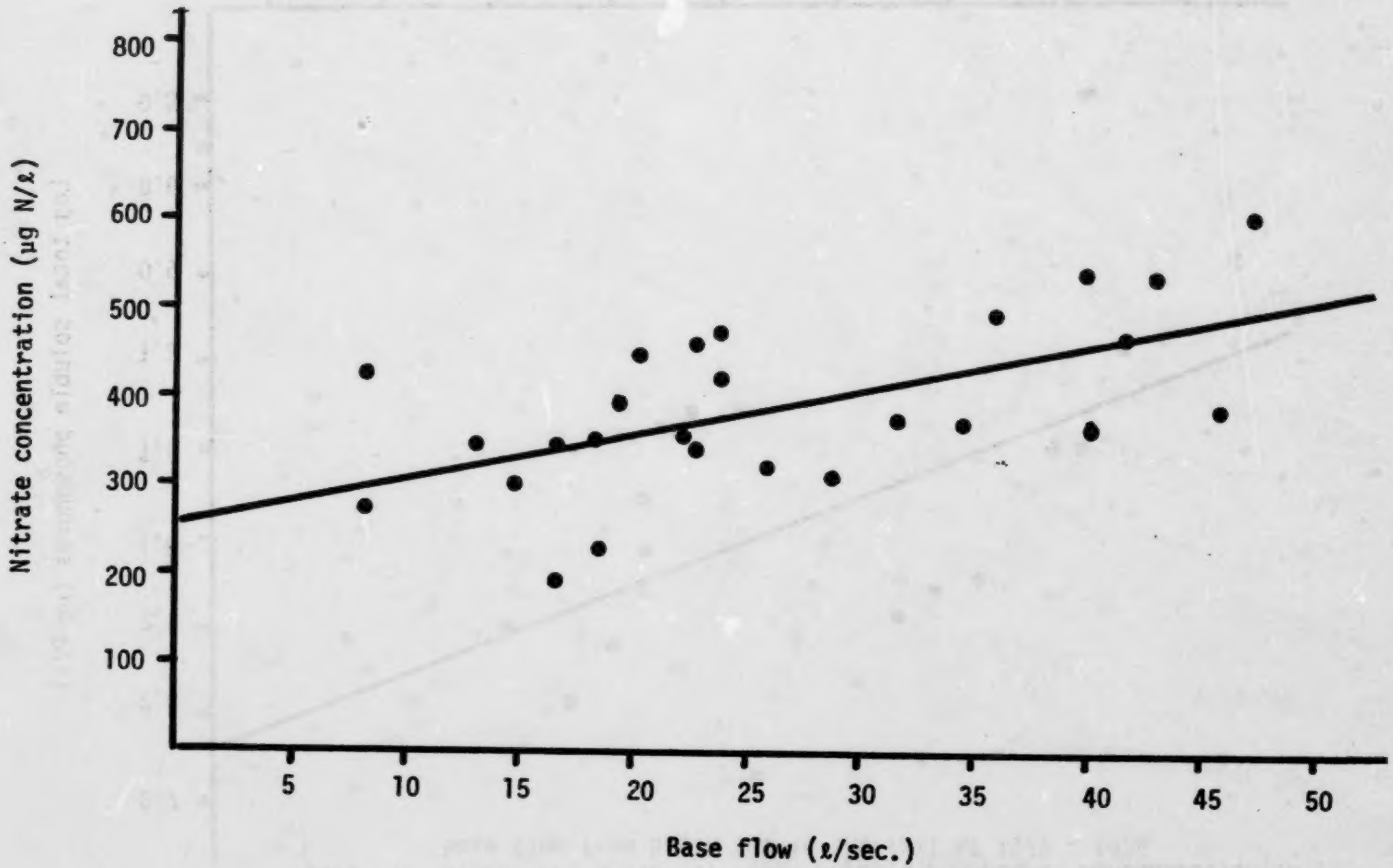


Figure 14. Linear regression of total soluble phosphorus concentration in base flow from basin 101 in the fall of 1971 - 1976.

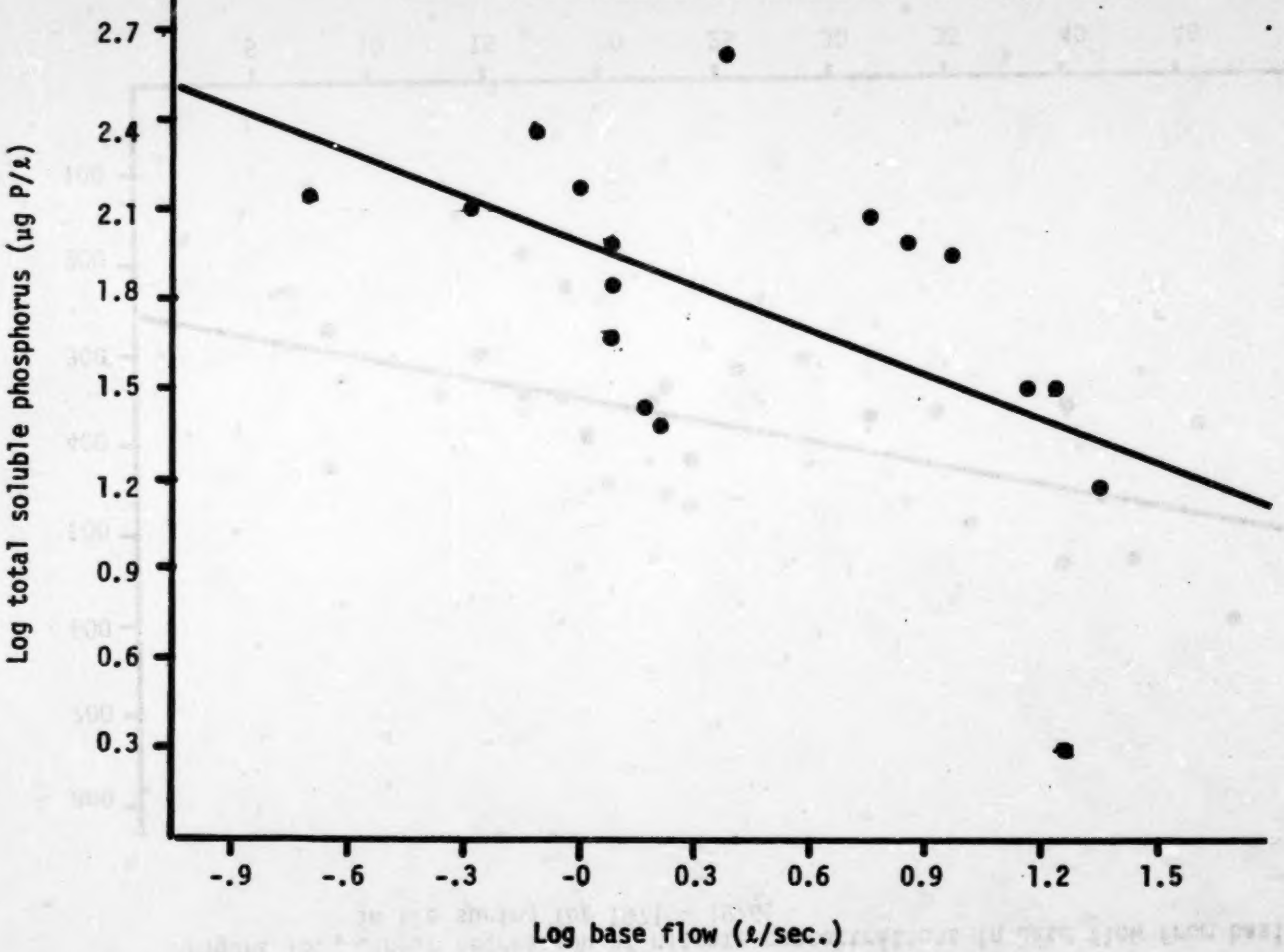


Figure 15. Linear regression of total phosphorus concentration in base flow from basin 101 in the winter of 1971 - 1976.

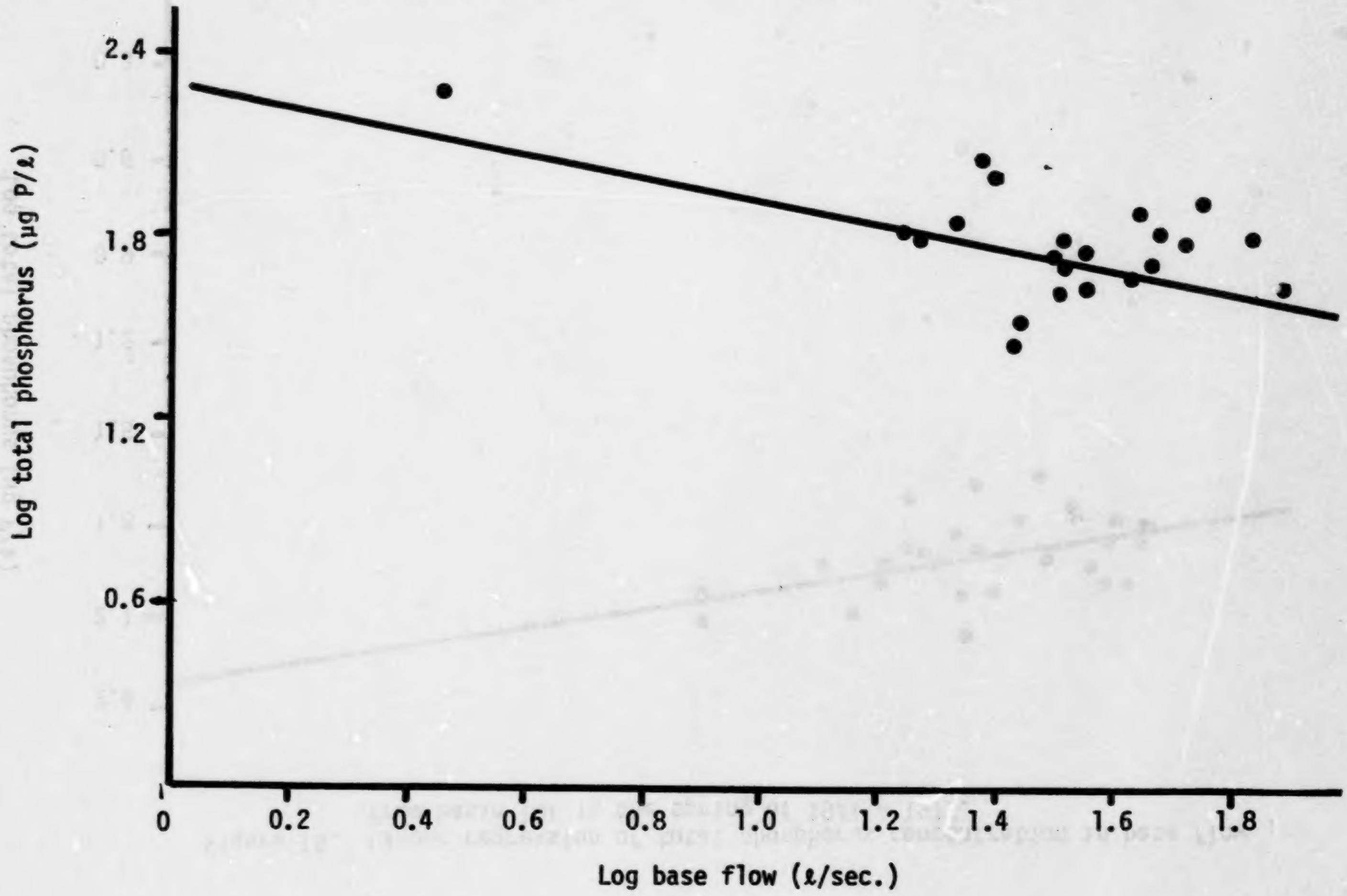


Figure 16. Linear regression of total phosphorus concentration in base flow from basin 101 in the spring of 1971 - 1976.

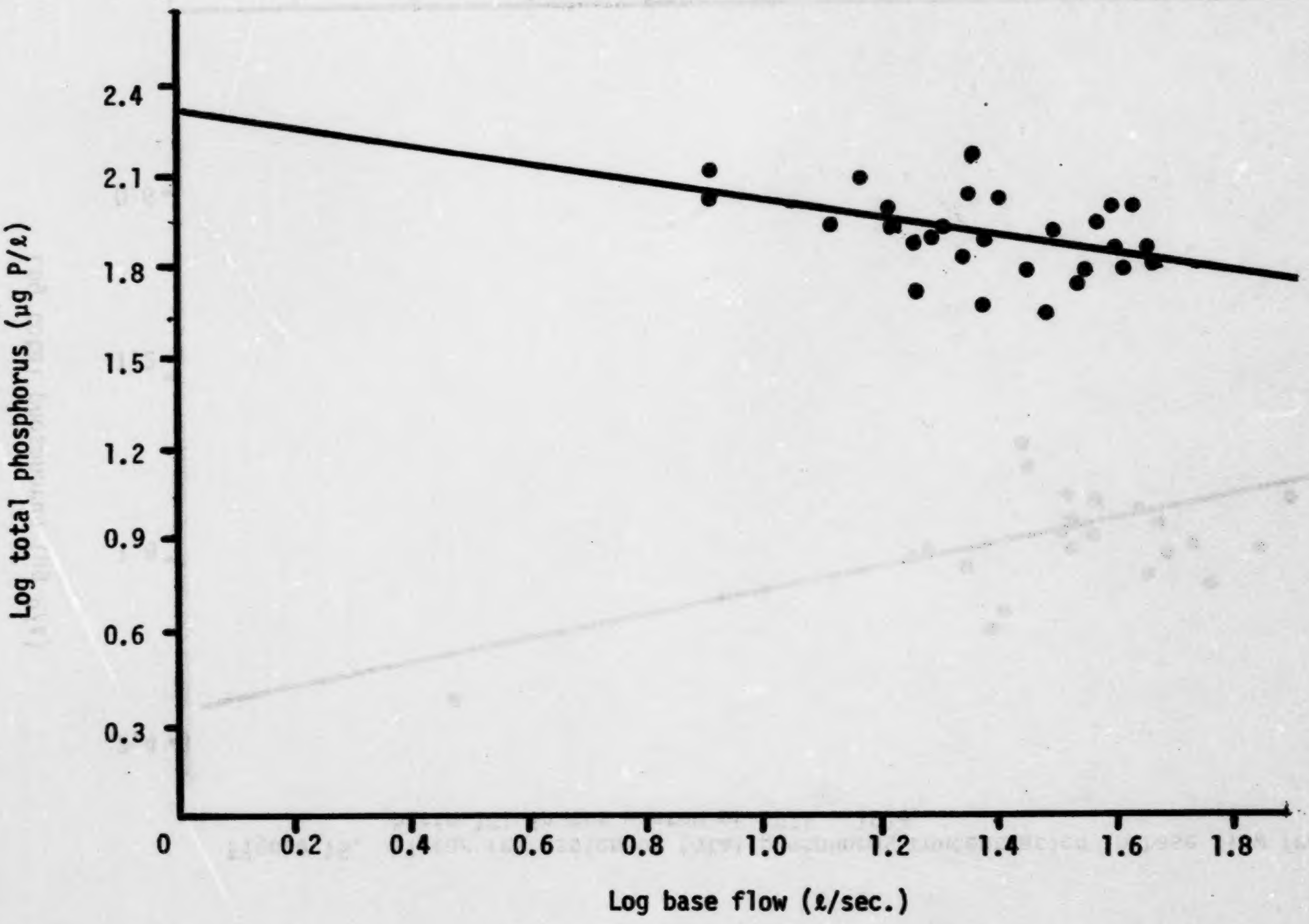


Figure 17. Linear regression of the total phosphorus concentration in base flow from basin 101 in the summer of 1971 - 1976.

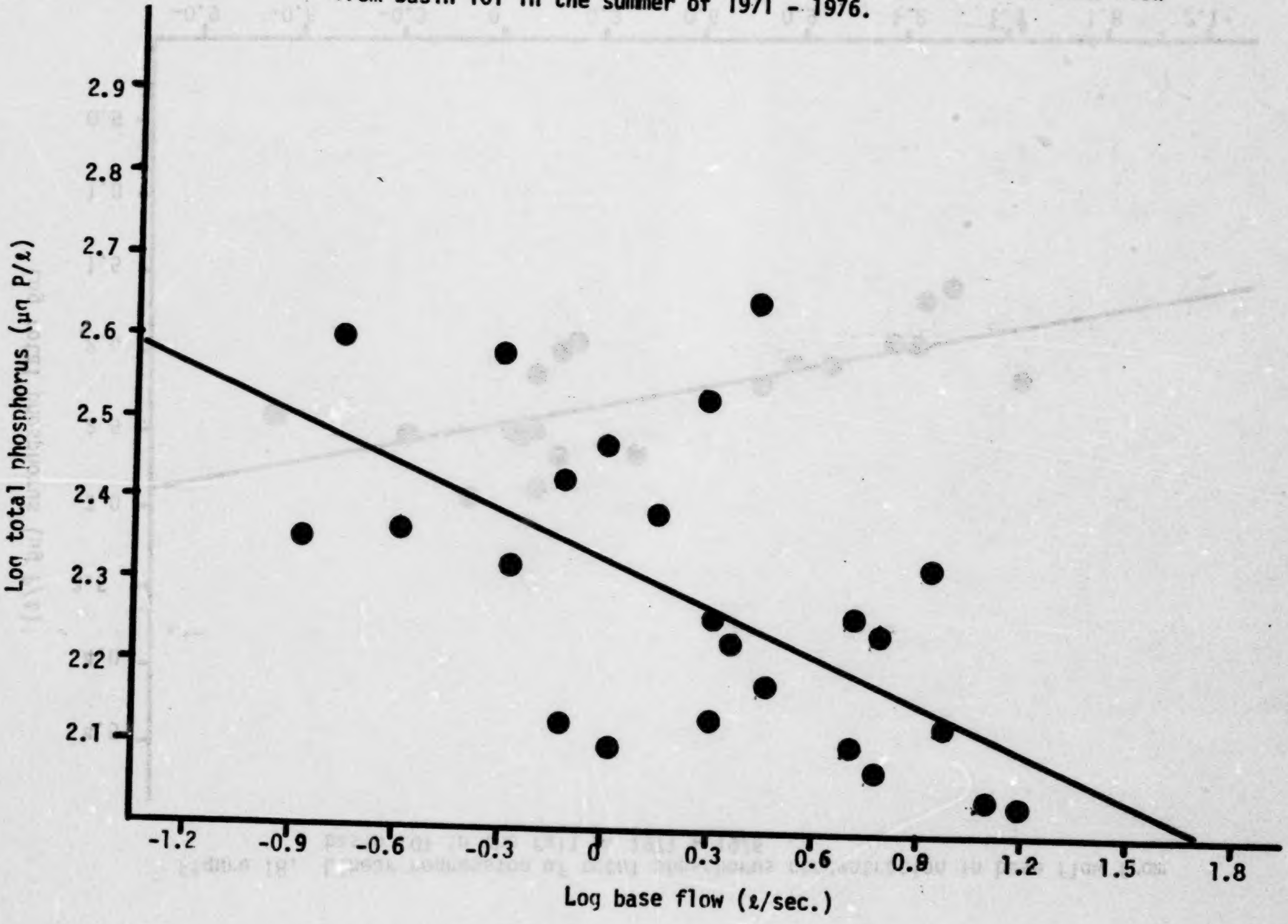


Figure 18. Linear regression of total phosphorus concentration in base flow from basin 101 in the fall of 1971 - 1976.

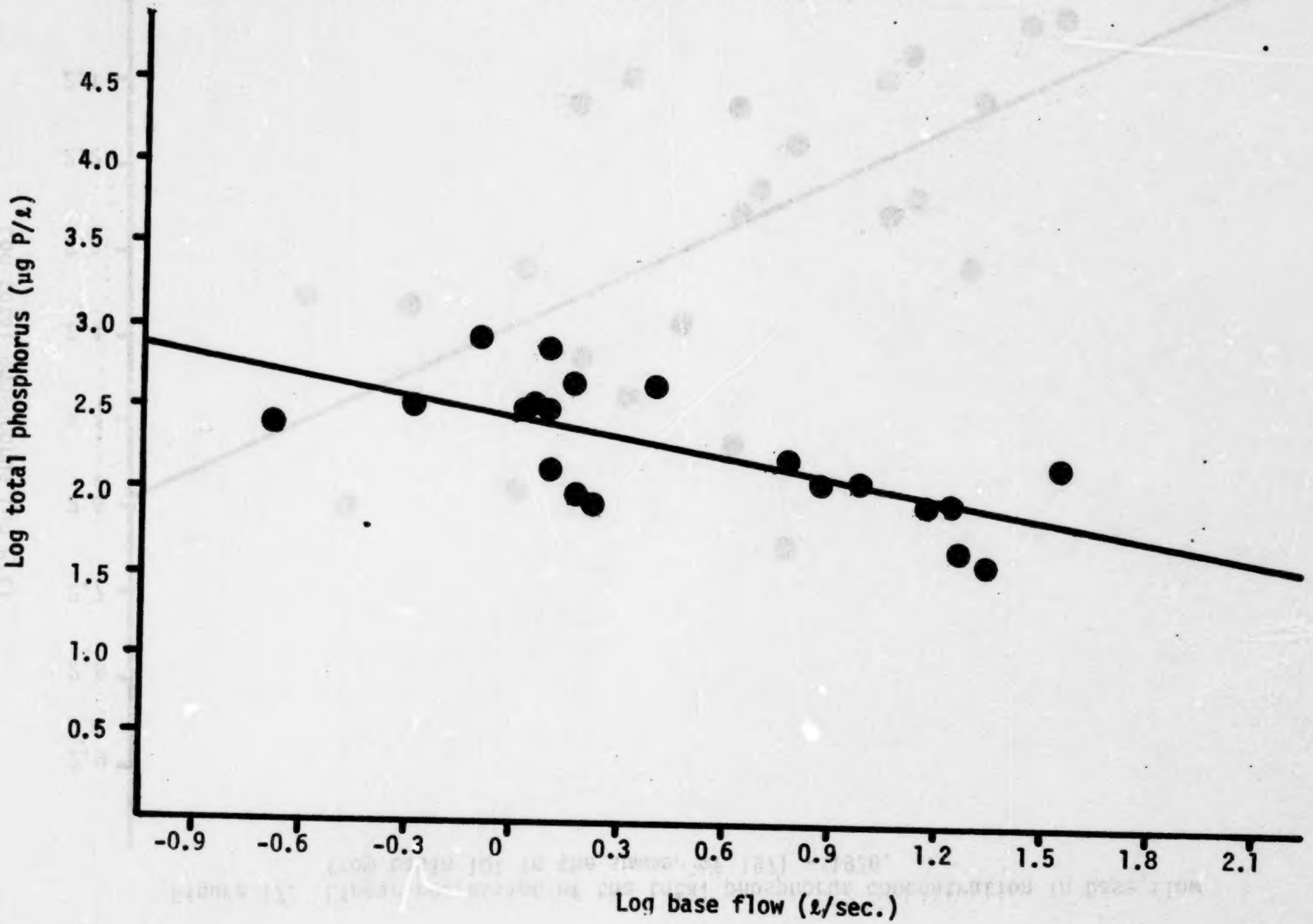


Figure 19. **Linear regression of total phosphorus concentration in base flow from basin 101 for the entire period of fall, 1971 to summer, 1976.**

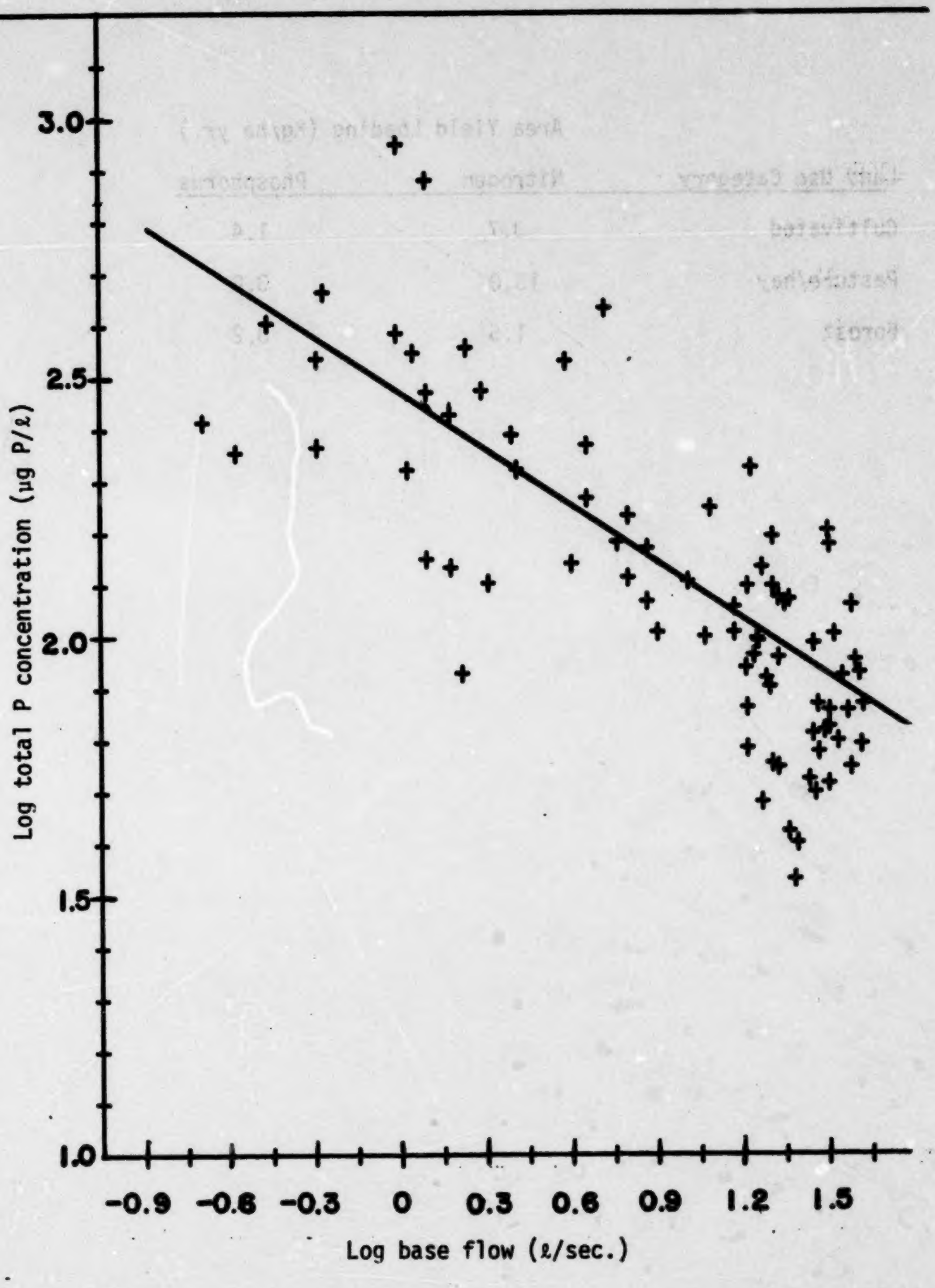


Table 6. Area yield loading rates for various Rhode River watershed land use categories as determined with a statistical model (Chirlin and Correll, in press).

	Area Yield Loading (Kg/ha yr.)	
Land Use Category	Nitrogen	Phosphorus
Cultivated	3.7	1.4
Pasture/hay	13.0	3.8
Forest	1.5	0.2

Figure 20. Linear regression of total nitrogen area yields in runoff from various Rhode River basins versus total nitrogen input loadings due to land use practices and rainfall. (Miklas, et al.; in press).

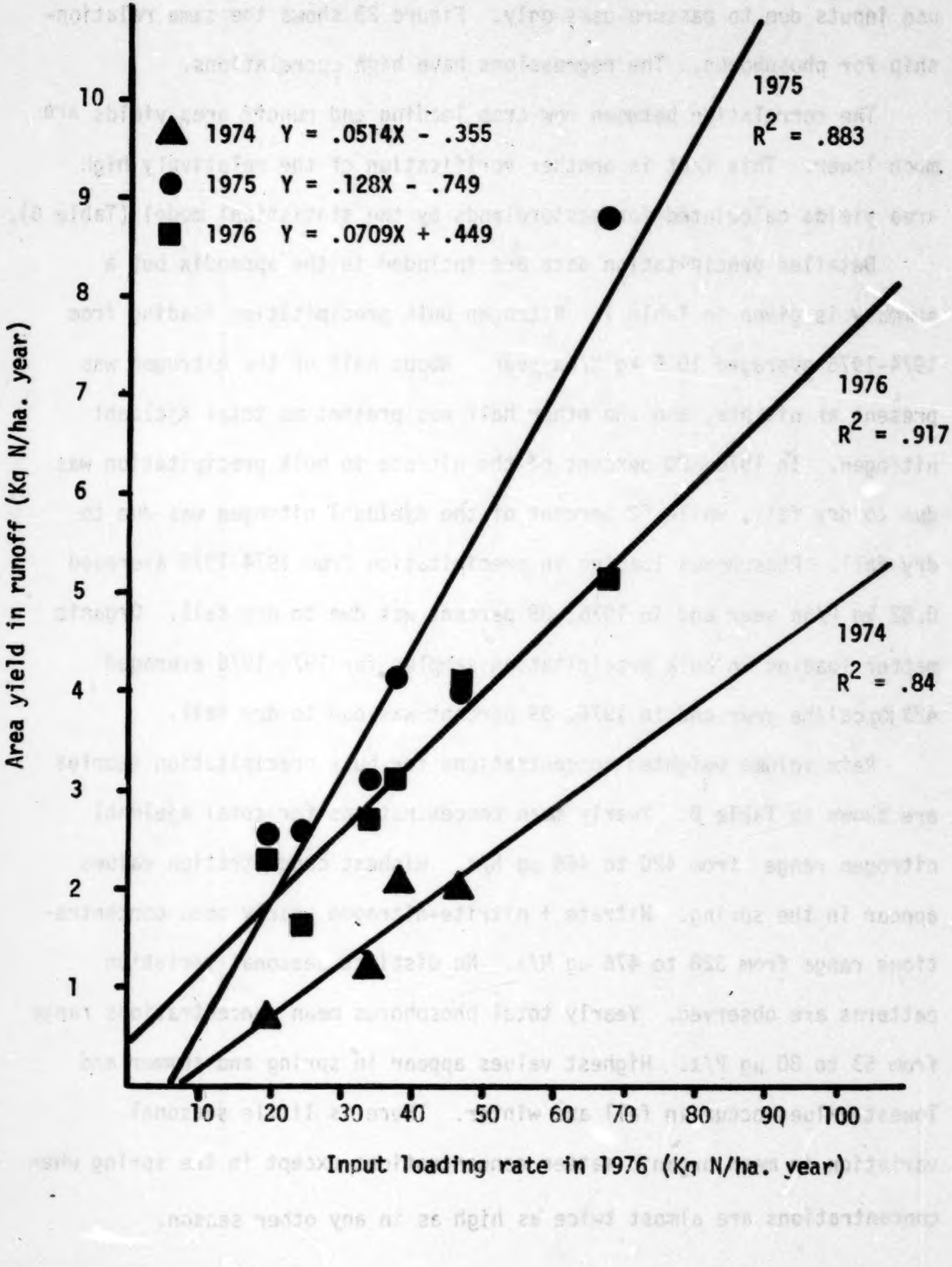


Figure 21 shows the same relationship for phosphorus. The correlation is much lower but the pattern is otherwise rather similar. Figure 22 shows the relationship between nitrogen area yield in runoff and land use inputs due to pasture uses only. Figure 23 shows the same relationship for phosphorus. The regressions have high correlations.

The correlation between row crop loading and runoff area yields are much lower. This fact is another verification of the relatively high area yields calculated for pasturelands by the statistical model (Table 6).

Detailed precipitation data are included in the appendix but a summary is given in Table 7. Nitrogen bulk precipitation loading from 1974-1976 averaged 10.5 kg N/ha year. About half of the nitrogen was present as nitrate, and the other half was present as total Kjeldahl nitrogen. In 1976, 20 percent of the nitrate in bulk precipitation was due to dry fall, while 52 percent of the Kjeldahl nitrogen was due to dry fall. Phosphorus loading in precipitation from 1974-1976 averaged 0.82 kg P/ha year and in 1976, 88 percent was due to dry fall. Organic matter loading in bulk precipitation samples for 1975-1976 averaged 423 Kg cal/ha year and in 1976, 99 percent was due to dry fall.

Rain volume weighted concentrations for bulk precipitation samples are shown in Table 8. Yearly mean concentrations for total Kjeldahl nitrogen range from 420 to 466 μg N/ℓ. Highest concentration values appear in the spring. Nitrate + nitrite-nitrogen yearly mean concentrations range from 328 to 476 μg N/ℓ. No distinct seasonal variation patterns are observed. Yearly total phosphorus mean concentrations range from 53 to 80 μg P/ℓ. Highest values appear in spring and summer and lowest values occur in fall and winter. There is little seasonal variation in mean organic matter concentrations except in the spring when concentrations are almost twice as high as in any other season.

Figure 21. Linear regression of total phosphorus area yields in runoff from various Rhode River basins versus the total phosphorus input loadings due to land use practices and rainfall. (Miklas, et al.; in press).

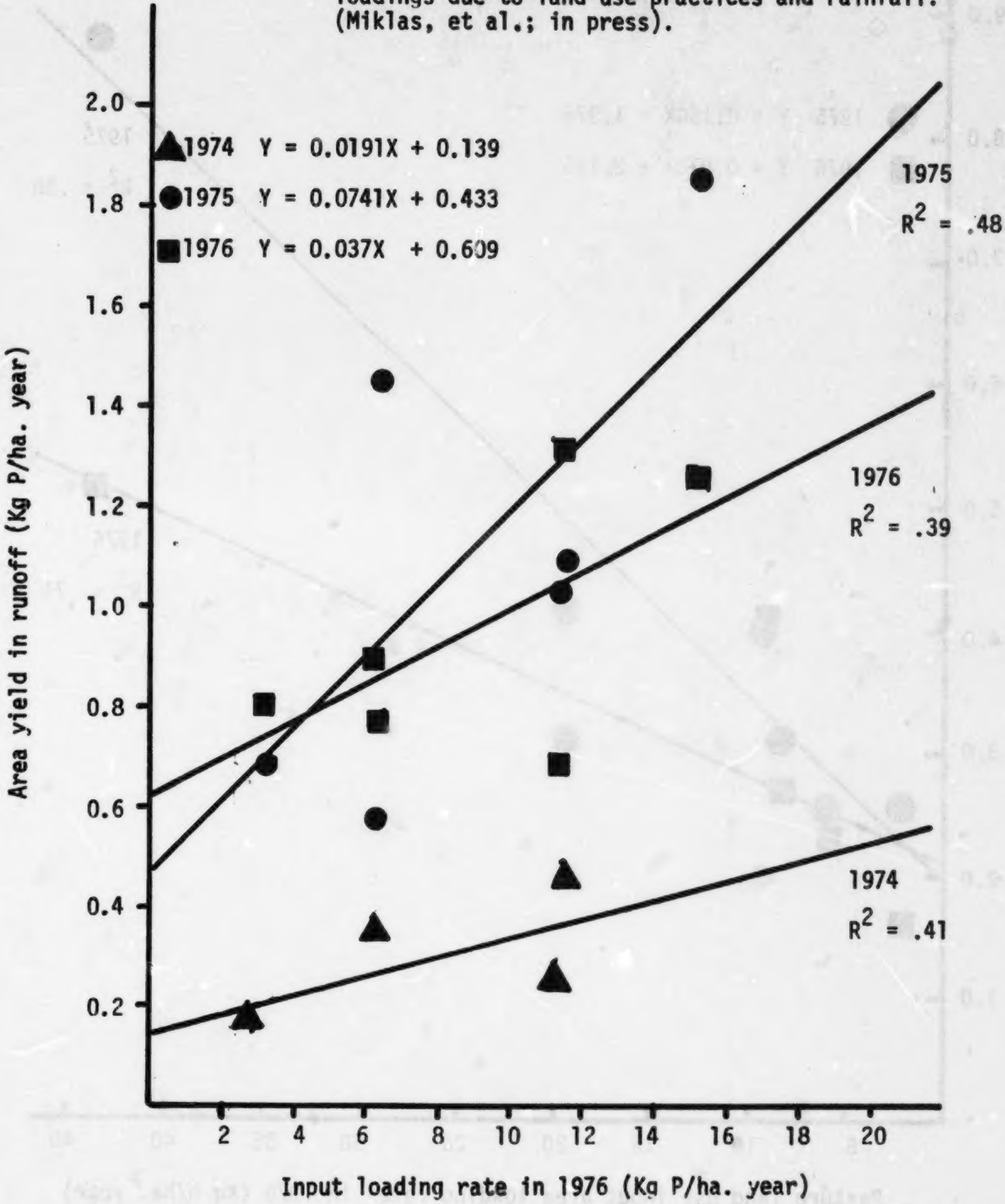
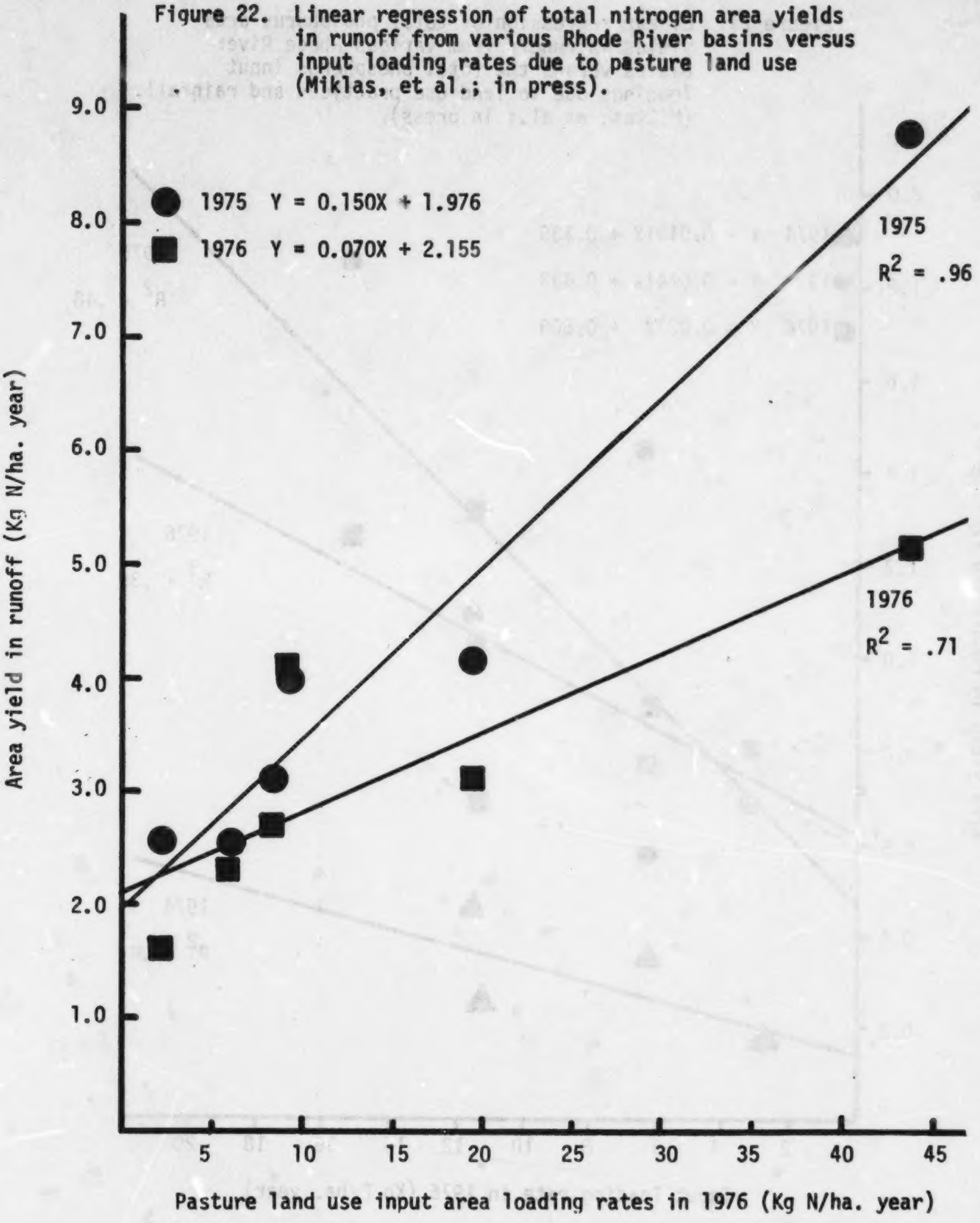


Figure 22. Linear regression of total nitrogen area yields in runoff from various Rhode River basins versus input loading rates due to pasture land use (Miklas, et al.; in press).



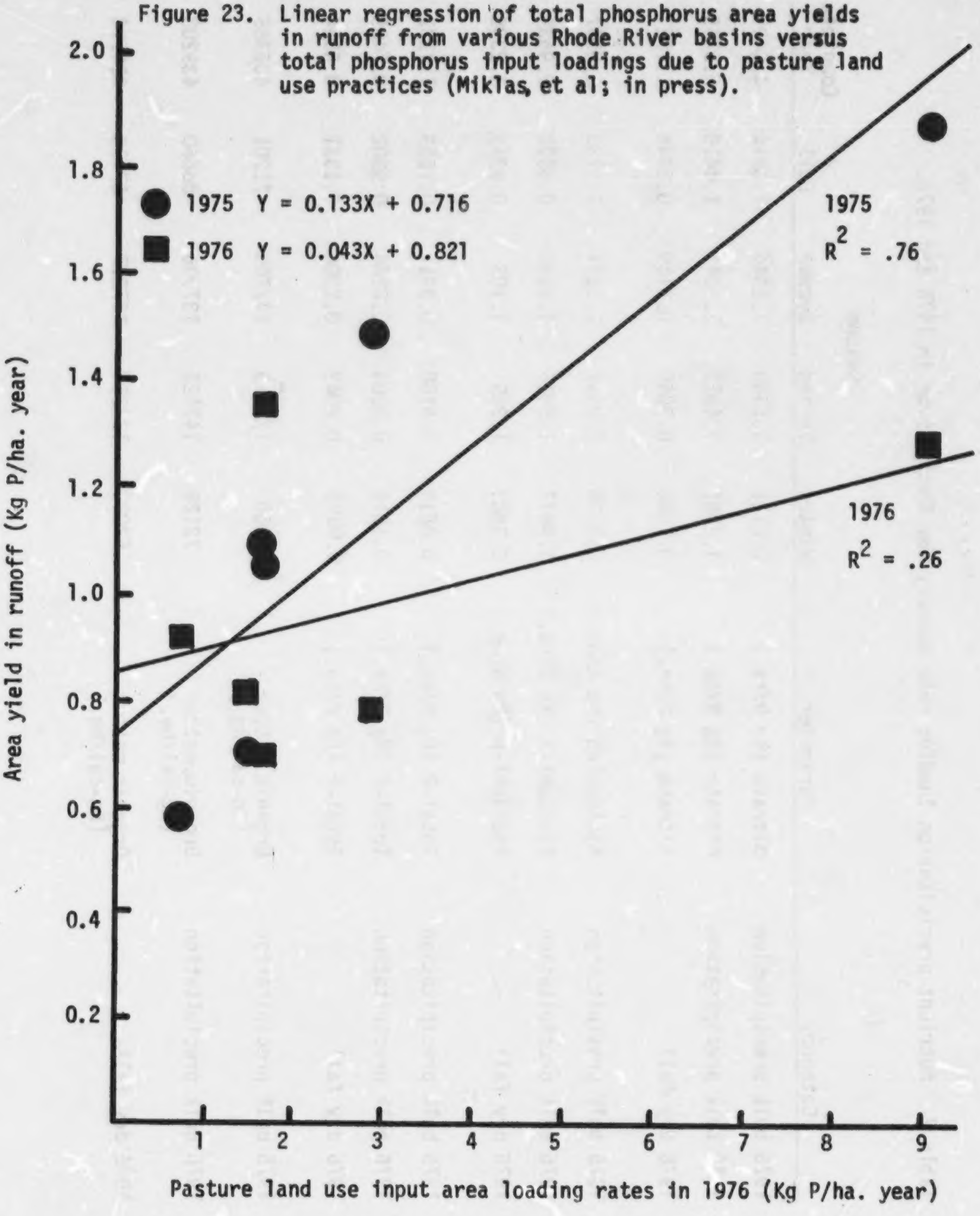


Figure 23. Linear regression of total phosphorus area yields in runoff from various Rhode River basins versus total phosphorus input loadings due to pasture land use practices (Miklas, et al; in press).

Table 7. Nutrient precipitation loading rate summary for Rhode River in 1975 and 1976.

Category	Parameter	Season Winter	 Spring	 Summer	 Fall	Complete Year
1975 bulk precipitation	Nitrate (Kg N/ha.)	0.8186	1.5449	1.2346	1.0514	4.6495
1976 bulk precipitation	Nitrate (Kg N/ha.)	1.2861	1.4629	1.3841	1.4418	5.5749
1976 dry fall	Nitrate (Kg N/ha.)	0.1688	0.3040	0.3149	0.3444	1.1321
1975 bulk precipitation	Kjeldahl-N (Kg N/ha.)	0.5736	2.0457	2.2271	1.1133	5.9597
1976 bulk precipitation	Kjeldahl-N (Kg N/ha.)	1.0877	1.8915	1.9955	0.9892	5.9639
1976 dry fall	Kjeldahl-N (Kg N/ha.)	0.3883	1.209	1.108	0.5343	3.2396
1975 bulk precipitation	Total-P (Kg P/ha.)	0.0615	0.5188	0.3911	0.1559	1.1273
1976 bulk precipitation	Total-P (Kg P/ha.)	0.1019	0.3204	0.2284	0.0982	0.7489
1976 dry fall	Total-P (Kg P/ha.)	0.0895	0.2042	0.2286	0.1331	0.6554
1975 bulk precipitation	Organic matter (Kg-cal/ha.)	37380	179679	117705	72201	406965
1976 bulk precipitation	Organic matter (Kg-cal/ha.)	72129	142423	137996	86660	439208
1976 dry fall	Organic matter (Kg-cal/ha.)	62088	138255	167237	67134	434714

Table 8. Rain volume weighted concentrations for bulk precipitation samples.

Year	Season	Total phosphorus (µg P/ℓ)	Kjeldahl nitrogen (µg N/ℓ)	Nitrate nitrogen (µg N/ℓ)	Organic matter (g cal/ℓ)
1974	Winter	23	263	367	-
	Spring	77	799	327	62.2
	Summer	78	487	491	32.4
	Fall	35	235	361	27.6
	Mean	53	466	361	-
1975	Winter	27	253	361	16.5
	Spring	134	528	399	46.4
	Summer	89	504	279	26.6
	Fall	43	308	291	20.0
	Mean	80	420	328	28.7
1976	Winter	36	387	458	25.7
	Spring	145	885	684	66.6
	Summer	66	558	401	37.0
	Fall	30	578	434	26.1
	Mean	65	492	476	37.5

SUMMMARY

It is clear that nitrogen and phosphorus non-point source loadings to the Rhode River are directly and closely related to land use inputs of these nutrients. Input rates are a function of land use practices. Non-point source loadings of nitrogen and phosphorus to the Rhode River show a fairly strong relationship to the land use compostion of the various test watersheds and even a significant relationship to the simple percentage of disturbed land on each test basin. Non-point source nutrient discharges, even within a single basin, show very few relationships to stream flow rates at base flow.

Large year to year variations in non-point source loadings have been observed and seem to be due to variations in rainfall and consequently in the hydrology of the test basins. Season to season variations do occur consistently in some parameters such as the percentage of total nitrogen discharged as nitrate.

Precipitation is a major source of nitrogen input to the test basins, accounting for about 32 percent of the total, while phosphorus loading in precipitation is only 9 percent of the total. About half of the nitrogen in precipitation is present as nitrate.

DISCUSSION

A large nutrient data set is reported in this volume. The data pertains to the various forms of nitrogen and phosphorus in the precipitation and land runoff of the Rhode River estuary's watershed. It spans from three to five years depending upon the parameter and can be compared with detailed rainfall and water discharge data, as well as detailed topographic and land use maps of each of the seven test basins. Ground truth was used to check land use data derived from low elevation aerial photos. Detailed survey data on land use practices and nutrient addition due to these practices was also available. Finally, there exist detailed data sets from the same stream during the same years for particulates, cations, and bacterial parameters. These are reported in companion CRC volumes.

Nutrient area yields in runoff seem to be closely related to two factors: weather and land use inputs of nutrients. The effect of weather on nutrient yields in runoff can be seen in seasonal differences, as well as year to year differences. Not only are there seasonal changes in quantitites of nitrogen and phosphorus discharged (Tables 2 and 5), but also in the forms in which they are discharged (Table 3). Figures 2 - 9 and 20 - 23 show large annual differences in nutrient discharge and concentrations in relation to land use in the seven basins occurring over three years. The year to year differences in the slopes for these linear regressions can be related to annual rainfall amounts: 142 cm for 1975, 118 cm for 1976, and 109 cm for 1974.

The second factor affecting nutrient discharge in runoff, nutrient inputs due to land use practices, is shown very clearly in Figures 20 - 23, and indirectly with land use areas, in Figures 6 - 11. The spatial distribution of the nutrient input sources in the watershed basins is, of course, not taken into consideration in these regressions and does not appear to affect the runoff yields as much as the total or pasture nutrient loading input. Ideally, accurate prediction of nutrient yield in runoff should be accomplished using nutrient inputs resulting from land use practices and precipitation. However, since this detailed data is not widely available, the prediction must be made from land use analyses and the type of relationships shown in Table 4.

It is of considerable interest to compare this data, in whatever manner possible with data from other regions of the United States. An Enviromental Protection Agency survey of nitrogen and phosphorus discharge versus land use in the eastern United States (Omernik, 1976) found the annual mean concentrations of a series of nutrient parameters to be related primarily to the percentage of disturbed area on each of a large number of watersheds studied by the following equations (derived by linear regression):

		R^2
Log total nitrogen concentration (mg N/ℓ)	= 0.0071X - 0.236	0.71
Log total phosphorus concentration (mg P/ℓ)	= 0.0081X - 1.676	0.53

Where X = percent agricultural + residential land use on the watershed.

The corresponding equations derived from the Rhode River data set are as follows:

1975		
Log total nitrogen (flow wt. mean concentration mg N/ℓ)	= 0.0104X - 0.44	0.45
1976		
Log total nitrogen (flow wt. mean concentration mg N/ℓ)	= 0.0092X - 0.39	0.74
1974 + 1975		
Log total nitrogen (base flow mean concentration mg N/ℓ)	= 0.0060X - 0.47	0.42
1975		
Log total phosphorus (flow wt. mean concentration mg P/ℓ)	= 0.0118X - 2.02	0.64
1976		
Log total phosphorus (flow wt. mean concentration	= 0.0004X - 0.56	0.005
1974 + 1975		
Log total phosphorus (base flow mean concentration mg P/ℓ)	= 0.0016X - 0.93	0.083

It can be seen that the slope for nitrogen reported by Omernik lies between that found for base flow and the two found for flow-weighted samples from Rhode River. All Rhode River intercepts for nitrogen were lower. The slope for total phosphorus reported by Omernik is also lower than that found for flow-weighted means at Rhode River in 1975. The other Rhode River phosphorus regressions above had very low correlations. Another way of comparing the national survey results and those from Rhode River is to compare predicted nitrogen and phosphorus concentrations based upon the regressions published by Omernik (1976) and those found at Rhode River for volume-integrated samples and as base flow means (Table 9).

Scanning Table 9 will show quickly that the predicted nitrogen values compare fairly well with measured flow-weighted means from Rhode River basins and are consistently higher than base flow means. However, the phosphorus concentrations predicted are only 10 to 20 percent of measured flow-weighted means and 20 to 45 percent of measured base flow means. Thus, it seems that Rhode River runoff has much more phosphorus than would be expected in eastern United States in general.

Using the type of relationships given by Omernik (1976) and in this report, information on land use can be used to roughly predict nutrient loading for receiving waters. However, these relationships do not take into account the yearly climatic differences which occur. Yearly differences in total rainfall and runoff have been shown in this report to be related to significant changes in nutrient discharge from disturbed lands.

Table 9. Comparison of predicted total nitrogen and phosphorus concentrations in runoff from seven Rhode River watershed basins.

	Land Use	Total nitrogen (mg N/ℓ)		
	Percent Agricultural +		Found (1975)	
Weir	Residential	Predicted	Base flow	Volume integrated
107	18	0.779	0.512	-
105	19.7	0.801	0.495	0.657
103	23.1	0.847	0.380	0.739
101	43.2	1.18	0.836	1.129
102	45.2	1.22	0.482	0.770
108	47.0	1.25	0.562	0.928
106	50.1	1.32	0.798	2.375

	Land Use	Total phosphorus (mg P/ℓ)		
	Percent Agricultural +		Found (1975)	
Weir	Residential	Predicted	Base flow	Volume integrated
107	18	0.029	0.126	-
105	19.7	0.030	0.138	0.153
103	23.1	0.032	0.109	0.197
101	43.2	0.047	0.183	0.405
102	45.2	0.049	0.125	0.259
108	47.0	0.051	0.117	0.243
106	50.1	0.054	0.143	0.506

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Table 10. Total phosphorus loading in dry fall samples for 1976 watershed year.

Winter

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg P/ha.)	(Kg P/ha.-day)
75	335	0000	76	005	0930	35.4	(.00319)	(.00009)
76	005	0930	76	007	0930	2.0	.00016	.00008
76	007	0930	76	014	1000	7.0	(.00371)	(.00053)
76	014	1000	76	016	0930	2.0	.00196	.00098
76	016	0930	76	016	1740	0.34	(.00036)	(.00105)
76	016	1740	76	020	0923	3.67	.00407	.00111
76	020	0923	76	021	1600	1.28	(.00078)	(.00061)
76	021	1600	76	023	0900	1.71	.00017	.00010
76	023	0900	76	033	1700	10.33	(.02045)	(.00198)
76	033	1700	76	036	0900	2.67	.01028	.00385
76	036	0900	76	037	0900	1.0	(.00272)	(.00272)
76	037	0900	76	040	0930	3.0	.00474	.00158
76	040	0930	76	043	0900	3.0	(.00615)	(.00205)
76	043	0900	76	049	1600	6.29	.01585	.00252
76	049	1600	76	054	1700	5.04	(.01129)	(.00224)
76	054	1700	76	057	1630	3.0	.00589	.00196
76	057	1630	76	060	2400	3.31	(.00702)	(.00212)
Seasonal total						91	.09879 X.906* .08950**	mean .00152 sd .00126 n = 8

(Data estimated)
* Correction factor to exclude rain events.
** Dry fall measurement with rain events excluded.

Table 10. (Continued)

Spring

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg P/ha.)	(Kg P/ha.-day)
76	061	0000	76	082	0900	21.4	(.04708)	(.00200)
76	082	0900	76	085	0900	3.0	.00684	.00228
76	085	0900	76	096	0830	11.0	(.01683	(.00153)
76	096	0830	76	099	0830	3.0	.00234	.00078
76	099	0830	76	103	0830	4.0	(.00516)	(.00129)
76	103	0830	76	106	0845	3.0	.00537	.00179
76	106	0845	76	110	0830	4.0	.02888	.00722
76	110	0830	76	112	0815	2.0	.01174	.00587
76	112	0815	76	117	0745	4.98	(.02361)	(.00474)
76	117	0745	76	119	0910	2.04	.00734	.00360
76	119	0930	76	121	0830	1.96	.00098	.00050
76	121	0830	76	124	0945	3.05	(.00299)	(.00098)
76	124	0945	76	127	0800	2.92	.00423	.00145
76	127	1030	76	131	0800	3.92	.00847	.00216
76	131	0800	76	140	0845	9.03	(.02158)	(.00239)
76	140	0845	76	142	0815	2.0	.00522	.00261
76	142	0815	76	145	0715	2.92	.00637	.00218
76	145	0715	76	152	2400	7.82	(.01736)	(.00222)
Seasonal total						92	.22239 X.918* .2042**	mean .00277 sd .00207 n = 11

(Data estimated)
* Correction factor to exclude rain events.
** Dry fall measurement with rain events excluded.

Table 10. (Continued)

Summer

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg P/ha.)	(Kg P/ha.-day)
76	153	0000	76	155	0900	2.38	(.00528)	(.00222)
76	155	0900	76	159	0930	3.92	.00882	.00225
76	159	0800	76	161	0745	2.0	.01599	.00799
76	161	0800	76	163	0745	2.0	.00588	.00294
76	163	0800	76	167	0730	4.0	.00816	.00204
76	167	0730	76	174	0745	7.0	(.01155)	(.00165)
76	174	0745	76	177	0735	3.0	.00375	.00125
76	177	0745	76	181	0800	4.0	.00732	.00183
76	181	0800	76	216	0930	35.0	(.09450)	(.00270)
76	216	0930	76	218	0730	1.92	.00686	.00357
76	218	0730	76	223	0745	5.0	(.01220)	(.00244)
76	223	0745	76	225	0800	2.0	.00262	.00131
76	225	0800	76	229	0745	4.0	(.00128)	(.00282)
76	229	0745	76	231	0730	2.0	.00864	.00432
76	231	0730	76	233	0745	2.0	.00589	.00294
76	233	0745	76	236	0745	3.0	.00963	.00321
76	236	0745	76	240	0745	4.0	.00896	.00224
76	240	0745	76	243	0730	3.0	(.00813)	(.00271)
76	243	0730	76	244	2400	1.7	.00541	.00318
Seasonal total						92	.24087	mean .00301
							X.949*	sd .00174
							.2286**	n = 13

( ) Data estimated)
* Correction factor to exclude rain events
** Dry fall measurement with rain events excluded.

Table 10. (Continued)

Fall

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg P/ha.)	(Kg P/ha.-day)
76	245	0000	76	245	0730	0.3	.00095	.00318
76	245	0730	76	257	0900	12.06	(.04426)	(.00367)
76	257	0900	76	259	0900	2.0	.00832	.00416
76	259	0900	76	279	0915	20.0	(.05440)	(.00272)
76	279	0915	76	281	1000	2.04	.00261	.00128
76	281	1000	76	300	1000	19.0	(.01330)	(.00070)
76	300	1000	76	304	0915	3.96	.00048	.00012
76	304	0915	76	307	0915	3.0	(.00033)	(.00011)
76	307	0915	76	310	1630	3.33	.00030	.00009
76	310	1630	76	314	0900	3.67	.00081	.00022
76	314	0900	76	321	1645	7.31	(.00511)	(.00070)
76	321	1645	76	324	1800	3.04	.00359	.00118
76	324	1800	76	328	0915	3.64	(.00415)	(.00114)
76	328	0915	76	331	0900	3.0	.00323	.00109
76	331	0900	76	335	1000	4.04	(.00416)	(.00103)
76	335	1000	76	335	2400	0.58	.00056	.00096
Seasonal total						91	.14656 X.908* .13308**	mean .00135 sd .00140 n = 9
Yearly total						366	.6554	mean .00234 sd .00176

(Data estimated)

* Correction factor to exclude rain events

** Dry fall measurement with rain events excluded.

Table 11. Total Kjeldahl-nitrogen loading in dry fall samples for 1976 watershed year.

Winter

Starting time			Ending time			Exposure	Loadings		Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg N/ha.)		(Kg N/ha.-day)
75	335	0000	76	005	0930	35.4	(.08425)		(.00238)
76	005	0930	76	007	0930	2.0	.00016		.00008
76	007	0930	76	014	1000	7.0	(.00056)		(.00008)
76	014	1000	76	016	0930	2.0	.00016		.00008
76	016	0930	76	016	1740	0.34	(.00002)		(.00006)
76	016	1740	76	020	0923	3.67	.00015		.00004
76	020	0923	76	021	1600	1.28	(.01248)		(.00975)
76	021	1600	76	023	0900	1.71	.03328		.01946
76	023	0900	76	033	1700	10.33	(.12706)		(.01230)
76	033	1700	76	036	0900	2.67	.01370		.00513
76	036	0900	76	037	0900	1.0	(.00599)		(.00599)
76	037	0900	76	040	0930	3.0	.02055		.00685
76	040	0930	76	043	0900	3.0	(.01932)		(.00644)
76	043	0900	76	049	1600	6.29	.03799		.00604
76	049	1600	76	054	1700	5.04	(.03437)		(.00682)
76	054	1700	76	057	1630	3.0	.02283		.00761
76	057	1630	76	060	2400	3.31	(.01566)		(.00473)
Seasonal total						91	.42853	mean	.00566
							X.906*	sd	.00644
							.38825**	n = 8	

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 11. (Continued)

Spring

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg N/ha.)	(Kg N/ha.-day)
76	061	0000	76	082	0900	21.4	(.10122)	(.00473)
76	082	0900	76	085	0900	3.0	.00555	.00185
76	085	0900	76	096	0830	11.0	(.04609)	(.00419)
76	096	0830	76	099	0830	3.0	.01959	.00653
76	099	0830	76	103	0830	4.0	(.04352)	(.01088)
76	103	0830	76	106	0845	3.0	.04569	.01523
76	106	0845	76	110	0830	4.0	.18720	.0468
76	110	0830	76	112	0815	2.0	.13050	.06525
76	112	0815	76	117	0745	4.98	(.22141)	(.04446)
76	117	0745	76	119	0910	2.04	.04829	.02367
76	119	0930	76	121	0830	1.96	.05351	.02730
76	121	0830	76	124	0945	3.05	(.06789)	(.02226)
76	124	0945	76	127	0800	2.92	.05025	.01721
76	127	1030	76	131	0800	3.92	.08726	.02226
76	131	0800	76	140	0845	9.03	(.2732)	(.01410)
76	140	0845	76	142	0815	2.0	.01190	.00595
76	142	0845	76	145	0715	2.92	.01991	.00682
76	145	0715	76	152	2400	7.82	(.04989)	(.00638)
Seasonal total						92	1.31699 X.918* 1.209**	mean .02156 sd .01946 n =11

(Data estimated)
* Correction factor to exclude rain events.
** Dry fall measurement with rain events excluded.

Table 11. (Continued)

Summer

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg N/ha.)	(Kg N/ha.-day)
76	153	0000	76	155	0900	2.38	(.01518)	(.00638)
76	155	0900	76	159	0930	3.92	.02332	.00595
76	159	0930	76	161	0745	2.0	.04078	.02039
76	161	0800	76	163	0745	2.0	.01158	.00579
76	163	0800	76	167	0730	4.0	.00880	.00220
76	167	0730	76	174	0745	7.0	(.03738)	(.00534)
76	174	0745	76	177	0735	3.0	.02544	.00848
76	177	0745	76	181	0800	4.0	.06084	.01521
76	181	0800	76	216	0930	35.0	(.50400)	(.01440)
76	216	0930	76	218	0730	1.92	.02611	.01360
76	218	0730	76	223	0745	5.0	(.09130)	(.01826)
76	223	0745	76	225	0800	2.0	.04584	.02292
76	225	0800	76	229	0745	4.0	(.04600)	(.01150)
76	229	0745	76	231	0730	2.0	.00016	.00008
76	231	0730	76	233	0745	2.0	.08776	.04388
76	233	0745	76	236	0745	3.0	.05217	.01739
76	236	0745	76	240	0745	4.0	.03392	.00848
76	240	0745	76	243	0730	3.0	(.03354)	(.01118)
76	243	0730	76	244	2400	1.7	.02358	.01387
Seasonal total						92	1.16770 X.949* 1.108**	mean .01371 sd .01137 n = 13

(Data estimated)
* Correction factor to exclude rain events.
** Dry fall measurement with rain events excluded.

Table 11. (Continued)

Fall

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg N/ha.)	(Kg N/ha.-day)
76	245	0000	76	245	0730	0.3	.00416	.01387
76	245	0730	76	257	0900	12.06	(.11071)	(.00918)
76	257	0900	76	259	0900	2.0	.00898	.00449
76	259	0900	76	279	0915	20.0	(.07920)	(.00396)
76	279	0915	76	281	1000	2.04	.00702	.00344
76	281	1000	76	300	1000	19.0	(.09652)	(.00508)
76	300	1000	76	304	0915	3.96	.02661	.00672
76	304	0915	76	307	0915	3.0	(.01854)	(.00618)
76	307	0915	76	310	1630	3.33	.01875	.00563
76	310	1630	76	314	0900	3.67	.01714	.00467
76	314	0900	76	321	1645	7.31	(.06301)	(.00862)
76	321	1645	76	324	1800	3.04	.03818	.01256
76	324	1800	76	328	0915	3.64	(.03858)	(.01060)
76	328	0915	76	331	0900	3.0	.02595	.00865
76	331	0900	76	335	1000	4.04	(.03119)	(.00772)
76	335	1000	76	335	2400	0.58	.00394	.00680
Seasonal total						91	.58848 X.908* .5343**	mean .00743 sd .00363 n = 9
Yearly total						366	3.5017	mean .01288 sd .01347

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 12. Nitrate-nitrogen loading in dry fall samples for 1976 watershed year.

Winter

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg N/ha.)	(Kg N/ha.-day)
75	335	0000	76	005	0930	35.4	(.02655)	(.00075)
76	005	0930	76	007	0930	2.0	.00358	.00179
76	007	0930	76	014	1000	7.0	(.01225)	(.00175)
76	014	1000	76	016	0930	2.0	.00342	.00171
76	016	0930	76	016	1740	0.34	(.00078)	(.00228)
76	016	1740	76	020	0923	3.67	.01046	.00285
76	020	0923	76	021	1600	1.28	(.00739)	(.00577)
76	021	1600	76	023	0900	1.71	.01484	.00868
76	023	0900	76	033	1700	10.33	(.04731)	(.00458)
76	033	1700	76	036	0900	2.67	.00131	.00049
76	036	0900	76	037	0900	1.0	(.00163)	(.00163)
76	037	0900	76	040	0930	3.0	.00831	.00277
76	040	0930	76	043	0900	3.0	(.00999)	(.00333)
76	043	0900	76	049	1600	6.29	.02447	.00389
76	049	1600	76	054	1700	5.04	(.01169)	(.00232)
76	054	1700	76	057	1630	3.0	.00228	.00076
76	057	1630	76	060	2400	3.31	(.00002)	nd
Seasonal total						91	.18628 X.906* .16875**	mean .00287 sd .00260 n = 8

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 12. (Continued)

Spring

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg N/ha.)	(Kg N/ha.-day)
76	061	0000	76	082	0900	21.4	(.03724)	(.00174)
76	082	0900	76	085	0900	3.0	.00816	.00272
76	085	0900	76	096	0830	11.0	(.02816)	(.00256)
76	096	0830	76	099	0830	3.0	.00723	.00241
76	099	0830	76	103	0830	4.0	(.01080)	(.00270)
76	103	0830	76	106	0845	3.0	.00897	.00299
76	106	0845	76	110	0830	4.0	.01664	.00416
76	110	0830	76	112	0815	2.0	.01208	.00604
76	112	0815	76	117	0745	4.98	(.02560)	(.00514)
76	117	0745	76	119	0910	2.04	.00865	.00424
76	119	0930	76	121	0830	1.96	.01241	.00633
76	121	0830	76	124	0945	3.05	(.01244)	(.00408)
76	124	0945	76	127	0800	2.92	.00537	.00184
76	127	1030	76	131	0800	3.92	.01548	.00395
76	131	0800	76	140	0845	9.03	(.04325)	(.00479)
76	140	0845	76	142	0815	2.0	.01126	.00563
76	142	0845	76	145	0715	2.92	.01991	.00682
76	145	0715	76	152	2400	7.82	(.04755)	(.00608)
Seasonal total						92	.33120 X.918* .30400**	mean .00428 sd .00171 n = 11

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 12. (Continued)

Summer

Starting time			Ending time			Exposure (days)	Loadings (Kg N/ha.)	Loading rate (Kg N/ha.-day)
Yr	Day	Time	Yr	Day	Time			
76	153	0000	76	155	0900	2.38	(.01447)	(.00608)
76	155	0900	76	159	0930	3.92	.02089	.00533
76	159	0930	76	161	0745	2.0	.02414	.01207
76	161	0800	76	163	0745	2.0	.01076	.00538
76	163	0800	76	167	0730	4.0	.02380	.00595
76	167	0730	76	174	0745	7.0	(.02828)	(.00404)
76	174	0745	76	177	0735	3.0	.00639	.00213
76	177	0745	76	181	0800	4.0	.00912	.00228
76	181	0800	76	216	0930	35.0	(.09345)	(.00267)
76	216	0930	76	218	0730	1.92	.00588	.00306
76	218	0730	76	223	0745	5.0	(.01740)	(.00348)
76	223	0745	76	225	0800	2.0	.00778	.00389
76	225	0800	76	229	0745	4.0	(.00944)	(.00236)
76	229	0745	76	231	0730	2.0	.00164	.00082
76	231	0730	76	233	0745	2.0	.00800	.00400
76	233	0745	76	236	0745	3.0	.00798	.00266
76	236	0745	76	140	0745	4.0	.02056	.00514
76	240	0745	76	243	0730	3.0	(.01434)	(.00478)
76	243	0730	76	244	2400	1.7	.00750	.00441
Seasonal total						92	.33182 X.949* .3149**	mean .00444 sd .00272 n = 13

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 12. (Continued)

Fall

Starting time			Ending time			Exposure (days)	Loadings (Kg N/ha.)	Loading rate (Kg N/ha.-day)
Yr	Day	Time	Yr	Day	Time			
76	245	0000	76	245	0730	0.3	.00132	.00441
76	245	0730	76	257	0900	12.06	(.05113)	(.00424)
76	257	0900	76	259	0900	2.0	.00816	.00408
76	259	0900	76	279	0915	20.0	(.08560)	(.00428)
76	279	0915	76	281	1000	2.04	.00914	.00448
76	281	1000	76	300	1000	19.0	(.05966)	(.00314)
76	300	1000	76	304	0915	3.96	.00717	.00181
76	304	0915	76	307	0915	3.0	(.01056)	(.00352)
76	307	0915	76	310	1630	3.33	.01745	.00524
76	310	1630	76	314	0900	3.67	.01306	.00356
76	314	0900	76	321	1645	7.31	(.03224)	(.00441)
76	321	1645	76	324	1800	3.04	.01599	.00526
76	324	1800	76	328	1915	3.64	(.0224)	(.00611)
76	328	0915	76	331	0900	3.0	.02088	.00696
76	331	0900	76	335	1000	4.04	(.02230)	(.00552)
76	335	1000	76	335	2400	0.58	.00237	.00408
Seasonal total						91	.37927 X.908* .3444**	mean .00442 sd .00132 n = 9
Yearly total						366	1.22855	mean .00409 sd .00219

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 13. Total organic matter loading in dry fall samples for 1976 watershed year.

Winter

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg cal/ha.)	(Kg cal/ha.-day)
75	335	0000	76	005	0930	35.4	(21350)	(603)
76	005	0930	76	007	0930	2.0	2088	1044
76	007	0930	76	014	1000	7.0	(8512)	(1216)
76	014	1000	76	016	0930	2.0	2774	1387
76	016	0930	76	016	1740	0.34	(4510)	(1325)
76	016	1740	76	020	0923	3.67	4632	1262
76	020	0923	76	021	1600	1.28	(1828)	(1428)
76	021	1600	76	023	0900	1.71	2724	1593
76	023	0900	76	033	1700	10.33	(11040)	(1069)
76	033	1700	76	036	0900	2.67	1454	544
76	036	0900	76	037	0900	1.0	(547)	(547)
76	037	0900	76	040	0930	3.0	1647	549
76	040	0930	76	043	0900	3.0	(1506)	(502)
76	043	0900	76	049	1600	6.29	2856	454
76	049	1600	76	054	1700	5.04	(2036)	(404)
76	054	1700	76	057	1630	3.0	1059	353
76	057	1630	76	060	2400	3.31	(2026)	(612)
Seasonal total						91	68530	mean 898
							X.906*	sd 481
							62088**	n = 8

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 13. (Continued)

Spring

Starting time			Ending time			Exposure (days)	Loadings (Kg cal/ha.)	Loading rate (Kg cal/ha.-day)
Yr	Day	Time	Yr	Day	Time			
76	061	0000	76	082	0900	21.4	(13100)	(612)
76	082	0900	76	085	0900	3.0	2610	870
76	085	0900	76	096	0830	11.0	(9592)	(872)
76	096	0830	76	099	0830	3.0	2619	873
76	099	0830	76	103	0830	4.0	4140	(1035)
76	103	0830	76	106	0845	3.0	3588	1196
76	106	0845	76	110	0830	4.0	19900	4976
76	110	0830	76	112	0815	2.0	10410	5204
76	112	0815	76	117	0745	4.98	(19173)	(3850)
76	117	0745	76	119	0910	2.04	5090	2495
76	119	0930	76	121	0830	1.96	2758	1407
76	121	0830	76	124	0945	3.05	(5444)	(1785)
76	124	0945	76	127	0800	2.92	6313	2162
76	131	0800	76	140	0845	9.03	(18410)	(2039)
76	140	0845	76	142	0815	2.0	5726	2863
76	142	0845	76	145	0715	2.92	5139	1760
76	145	0715	76	152	2400	7.82	(11830)	(1513)
Seasonal total						92	150605 X.918* 138255**	mean 2275 sd 1534 n = 11

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 13. (Continued)

Summer

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg cal/ha.)	(Kg cal/ha.-day)
76	153	0000	76	155	0900	2.38	(3601)	(1513)
76	155	0900	76	159	0930	3.92	4959	1265
76	159	0800	76	161	0745	2.0	5530	2765
76	161	0800	76	163	0745	2.0	(5458)	(2729)
76	163	0800	76	167	0730	4.0	5708	1427
76	167	0730	76	174	0745	7.0	(12230)	(1747)
76	174	0745	76	177	0735	3.0	6198	2066
76	177	0745	76	181	0800	4.0	3264	816
76	181	0800	76	216	0930	35.0	(39550)	(1130)
76	216	0930	76	218	0730	1.92	2772	1444
76	218	0730	76	223	0745	5.0	(22990)	(4597)
76	223	0745	76	225	0800	2.0	15500	7749
76	225	0800	76	229	0745	4.0	(22190)	(5547)
76	229	0745	76	231	0730	2.0	6688	3344
76	231	0730	76	233	0745	2.0	4078	2039
76	233	0745	76	236	0745	3.0	6363	2121
76	236	0745	76	240	0745	4.0	2284	571
76	240	0745	76	243	0730	3.0	(3672)	(1224)
76	243	0730	76	244	2400	1.7	3189	1876
Seasonal total						92	176224 X.949* 167237**	mean 2290 sd 1885 n = 13

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 13. (Continued)

Fall

Starting time			Ending time			Exposure	Loadings	Loading rate
Yr	Day	Time	Yr	Day	Time	(days)	(Kg cal/ha.)	(Kg cal/ha.-day)
76	245	0000	76	245	0730	0.3	562.8	1876
76	245	0730	76	257	0900	12.06	(14280)	(1183)
76	257	0900	76	259	0900	2.0	978	489
76	259	0900	76	279	0915	20.0	(12320)	(616)
76	279	0915	76	281	1000	2.04	(1257)	(616)
76	281	1000	76	300	1000	19.0	(11700)	(616)
76	300	1000	76	304	0915	3.96	2938	742
76	304	0915	76	307	0915	3.0	(2289)	(763)
76	307	0915	76	310	1630	3.33	2611	784
76	310	1630	76	314	0900	3.67	2609	711
76	314	0900	76	321	1645	7.31	(8092)	(1107)
76	321	1645	76	324	1800	3.04	4569	1503
76	324	1800	76	328	0915	3.64	(2992)	(822)
76	328	0915	76	331	0900	3.0	424	141.4
76	331	0900	76	335	1000	4.04	(4969)	(1230)
76	335	1000	76	335	2400	0.58	1345	2319
Seasonal total						91	73935.8 X.908* 67134**	mean 1071 sd 748 n = 9
Yearly total						366	434714	mean 1747 sd 1508

(Data estimated)

* Correction factor to exclude rain events.

** Dry fall measurement with rain events excluded.

Table 14. Total phosphorus loading in bulk precipitation samples for 1975 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg P/ha.)	(µg/ℓ)
74	335	0900	74	342	1200	3.18	.01431	45
74	342	1200	74	348	0900	0.25	(.0018)	nd
74	348	0900	74	350	0900	3.40	.0058	17
74	350	0900	74	361	0900	0.25	.0004	15
74	361	0900	75	007	0900	1.52	.0021	14
75	007	0900	75	009	0900	1.19	(.0015)	nd
75	009	0900	75	014	0900	1.93	.0025	13
75	014	0900	75	021	0900	3.58	.0011	3
75	021	0900	75	025	0900	0.46	.0016	34
75	025	0900	75	031	1600	0.64	.0020	31
75	031	1600	75	035	0900	0.35	(.0015)	nd
75	035	0900	75	036	0900	2.29	.0062	27
75	036	0900	75	043	1600	1.52	.0122	80
75	043	1600	75	050	0900	0.46	.0039	85
75	050	0900	75	055	0900	1.09	.0024	22
75	055	0900	75	059	2400	0.40	.0022	55
Seasonal total						22.69	.0615	mean 35 sd 26 n = 16

(Data estimated)

Table 14. (Continued)

Spring

Starting time			Ending time			Rain amount (cm)	Loadings (Kg P/ha.)	Concentration (µg/ℓ)
Yr	Day	Time	Yr	Day	Time			
75	060	0000	75	070	0900	1.10	.0061	55
75	070	0900	75	073	0900	2.61	.0060	23
75	073	0900	75	076	1130	4.42	.0380	86
75	076	1130	75	079	0900	4.62	.0060	13
75	079	0900	75	084	0900	1.75	.0123	74
75	084	0900	75	090	0945	1.17	.0143	122
75	090	0945	75	093	1200	0.58	.0048	83
75	093	1200	75	106	1400	2.03	.0729	359
75	106	1400	75	111	0900	0	(.0865)	nd
75	111	0900	75	115	0900	1.09	.0692	635
75	115	0900	75	118	1100	2.21	.0028	13
75	118	1100	75	122	1300	5.72	.0366	64
75	122	1300	75	125	0830	2.08	.0201	97
75	125	0830	75	127	0930	1.17	.0264	226
75	127	0930	75	133	0930	2.67	.0163	61
75	133	0930	75	135	1600	0	(.0183)	nd
75	135	1600	75	136	0900	1.32	.0057	43
75	136	0900	75	143	0900	1.52	.03796	nd
75	143	0900	75	148	0930	0.20	.02712	nd
75	148	0930	75	152	2400	2.48	.0114	46
Seasonal total						38.74	.5188	mean 125 sd 162 n = 16

(Data estimated)

Table 14. (Continued)

Summer

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg P/ha.)	(μg/ℓ)
75	153	0000	75	153	0930	0.62	.0029	46
75	153	0930	75	156	1400	0.81	.0062	77
75	156	1400	75	157	1530	0.56	.0063	112
75	157	1530	75	164	0900	2.31	.0178	77
75	164	0900	75	168	0900	2.24	.0419	187
75	168	0900	75	177	1600	0.86	.0986	nd
75	177	1600	75	188	1300	0.53	.0100	189
75	188	1300	75	189	0900	1.52	.0958	630
75	189	0900	75	192	1400	4.27	.0004	1
75	192	1400	75	195	0900	10.7	.0043	4
75	195	0900	75	198	0900	0.66	.0029	44
75	198	0900	75	202	0900	2.87	.0098	34
75	202	0900	75	210	1200	1.35	.0219	162
75	210	1200	75	217	0900	0.64	.0169	263
75	217	0900	75	218	0930	2.41	.0077	32
75	218	0930	75	226	0930	0.94	.0112	119
75	225	0930	75	230	1600	3.68	.0199	54
75	230	1600	75	244	2400	7.23	.0166	23
Seasonal total						44.20	.3911	mean 121 sd 151 n = 17

Table 14. (Continued)

Fall

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg P/ha.)	(µg/ℓ)
75	245	0000	75	245	0900	0.52	.0012	23
75	245	0900	75	251	1300	1.12	.0180	161
75	251	1300	75	259	0910	0.48	.0096	200
75	259	0900	75	262	1000	2.36	.0139	59
75	262	1000	75	267	1100	7.65	.0207	27
75	267	1100	75	269	0900	5.51	.0193	35
75	269	0900	75	272	0900	3.66	.0026	7
75	272	0900	75	283	0930	3.70	.0126	34
75	283	0930	75	294	0930	3.81	.0175	46
75	294	0930	75	303	1000	1.27	.0091	72
75	303	1000	75	322	0900	4.19	.0147	35
75	322	0900	75	335	2400	1.86	.0167	90
Seasonal total						36.13	.1559	mean 66 sd 59 n = 12
Yearly total						141.76	1.1273	mean 89 sd 122 n = 61

Table 15. Total phosphorus loading in bulk precipitation samples for 1976 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg P/ha.)	(μg/ℓ)
75	336	0000	75	344	0900	1.29	.0116	90
75	344	0900	75	358	1030	0.91	.0155	170
75	358	1030	75	363	0900	2.79	.0075	27
75	363	0900	76	002	0900	9.14	.0119	13
76	002	0900	76	005	0900	1.14	.0021	18
76	005	0900	76	007	0900	0	(.0071)	nd
76	007	0900	76	012	0900	2.41	.0007	3
76	012	0900	76	027	0915	3.18	.0044	14
76	027	0914	76	028	0900	2.79	.0042	15
76	028	0900	76	033	0900	2.24	.0067	30
76	033	0900	76	054	1700	2.16	.0244	113
76	054	1700	76	060	2400	0.05	(.0058)	nd
Seasonal total						28.10	.1019	mean 49
								sd 56
								n = 10

(Data estimated)

Table 15. (Continued)

Spring

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg P/ha.)	(µg/ℓ)
76	061	0000	76	068	0815	0.06	(.0270)	nd
76	068	0815	76	071	0815	3.43	.0271	79
76	071	0815	76	089	0800	2.77	.0238	86
76	089	0800	76	093	0900	3.30	(.0765)	nd
76	093	0900	76	124	0830	5.38	.0774	144
76	124	0830	76	140	0830	3.00	.0216	72
76	140	0830	76	148	1000	0.46	(.0507)	nd
76	148	1000	76	152	2400	2.97	.0163	55
Seasonal total						21.37	.3204	mean 87 sd 34 n = 4

(Data estimated)

Table 15. (Continued)

Summer

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg P/ha.)	(μg/ℓ)
76	153	0000	76	153	0730	0.74	.0041	55
76	153	0730	76	169	1635	4.47	.0308	69
76	169	1635	76	189	0800	2.57	.0308	120
76	189	0800	76	195	0830	3.61	.0170	47
76	195	0830	76	201	0705	4.62	.0106	23
76	201	0705	76	212	0930	2.06	.0789	383
76	212	0930	76	223	0745	9.98	.0250	25
76	223	0715	76	229	0745	5.21	.0151	29
76	229	0745	76	244	2400	1.29	.0161	125
Seasonal total						34.55	.2284	mean 97 sd 114 n = 9

Table 15. (Continued)

Fall

Starting time			Ending time			Rain amount (cm)	Loadings (Kg P/ha.)	Concentration (µg/ℓ)
Yr	Day	Time	Yr	Day	Time			
76	245	0000	76	257	0900	1.12	.0140	125
76	257	0900	76	261	0900	4.70	.0221	47
76	261	0900	76	277	0745	2.59	.0137	53
76	272	0745	76	279	0915	5.44	.0196	36
76	279	0915	76	286	0845	4.95	.0059	12
76	286	0845	76	295	1000	5.03	.0015	3
76	295	1000	76	300	1000	4.17	.0008	2
76	300	1000	76	307	0915	3.00	.0030	10
76	307	0915	76	335	1100	2.21	.0080	36
76	335	1100	76	335	2400	0	.0096	19
Seasonal total						33.21	.0982	mean 34 sd 37 n = 10
Yearly total						117.23	.7489	mean 63 sd 72 n = 34

Table 16. Total Kjeldahl-nitrogen loading in bulk precipitation samples for 1975 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
74	335	0900	74	342	1200	3.18	.0369	116
74	342	1200	74	348	0900	0.25	(.0027)	nd
74	348	0900	74	350	0900	3.40	.0394	116
74	350	0900	74	361	0900	0.25	.0053	211
74	361	0900	75	007	0900	1.52	.0220	145
75	007	0900	75	009	0900	1.19	.0259	218
75	009	0900	75	014	0900	1.93	.0266	138
75	014	0900	75	021	0900	3.58	.0913	255
75	021	0900	75	025	0900	0.46	.0144	313
75	025	0900	75	031	1600	0.64	.0419	655
75	031	1600	75	035	0900	0.53	.0017	33
75	035	0900	75	036	0900	2.29	.1069	467
75	036	0900	75	043	1600	1.52	.0597	393
75	043	1600	75	050	0900	0.46	.0506	1100
75	050	0900	75	055	0900	1.09	.0341	313
75	055	0900	75	059	2400	0.40	.0142	356
Seasonal total						22.69	.5736	mean 309 sd 264 n = 16

(Data estimated)

Table 16. (Continued)

Spring

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(µg/ℓ)
75	060	0000	75	070	0900	1.10	.0392	356
75	070	0900	75	073	0900	2.61	.0532	204
75	073	0900	75	076	1130	4.42	.1702	385
75	076	1130	75	079	0900	4.62	.0370	80
75	079	0900	75	084	0900	1.75	.1426	815
75	084	0900	75	090	0945	1.17	.0697	596
75	090	0945	75	093	1200	0.58	.0439	757
75	093	1200	75	106	1400	2.03	.1537	757
75	106	1400	75	111	0900	0	(.1165)	nd
75	111	0900	75	115	0900	1.09	.1472	1350
75	115	0900	75	118	1100	2.21	.1527	691
75	118	1100	75	122	1300	5.72	.2706	473
75	122	1300	75	125	0830	2.08	.1088	523
75	125	0830	75	127	0930	1.17	.1732	1480
75	127	0930	75	133	0930	2.67	.1514	567
75	133	0930	75	135	1600	0	(.1396)	nd
75	135	1600	75	136	0900	1.32	.0528	400
75	136	0900	75	143	0900	1.52	(.0310)	nd
75	143	0900	75	148	0930	0.20	.0308	1541
75	148	0930	75	152	2400	2.48	.0903	364
Seasonal total						38.74	2.0457	mean 667 sd 426 n = 17

(Data estimated)

Table 16. (Continued)

Summer

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
75	153	0000	75	153	0930	0.62	.0226	364
75	153	0930	75	156	1400	0.81	.0524	647
75	156	1400	75	157	1530	0.56	.0350	625
75	157	1530	75	164	0900	2.31	.0822	356
75	164	0900	75	168	0900	2.24	.0797	356
75	168	0900	75	177	1600	0.86	.5005	5820
75	177	1600	75	188	1300	0.53	.1177	2220
75	188	1300	75	189	0900	1.52	.1216	800
75	189	0900	75	192	1400	4.27	.2165	507
75	192	1400	75	195	0900	10.7	.1712	160
75	195	0900	75	198	0900	0.66	.0294	446
75	198	0900	75	202	0900	2.87	.1010	352
75	202	0900	75	210	1200	1.35	.1404	1040
75	210	1200	75	217	0900	0.64	.0424	662
75	217	0900	75	218	0930	2.41	.0598	248
75	218	0930	75	226	0930	0.94	.0777	827
75	226	0930	75	230	1600	3.68	.0994	270
75	230	1600	75	244	2400	7.23	.2776	384
Seasonal total						44.20	2.2271	mean 894 sd 1341 n = 18

Table 16. (Continued)

Fall

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(µg/ℓ)
75	245	0000	75	245	0900	0.52	.0200	384
75	245	0900	75	251	1300	1.12	.0588	525
75	251	1300	75	259	0910	0.48	.0696	1450
75	259	0900	75	262	1000	2.36	.1119	474
75	262	1000	75	267	1100	7.65	.0451	59
75	267	1100	75	269	0900	5.51	.0292	53
75	269	0900	75	272	0900	3.66	.0392	107
75	272	0900	75	283	0930	3.70	.1820	492
75	283	0930	75	294	0930	3.81	.1806	474
75	294	0930	75	303	1000	1.27	(.1227)	nd
75	303	1000	75	322	0900	4.19	.1366	326
75	322	0900	75	335	2400	1.86	.1176	632
Seasonal total						36.13	1.1133	mean 452 sd 386 n = 11
(Data estimated)								
Yearly total								mean 602 sd 789 n = 62

Table 17. Total Kjeldahl-nitrogen loading in bulk precipitation samples for 1976 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(µg/ℓ)
75	336	0000	75	344	0900	1.29	.0815	632
75	344	0900	75	358	1030	0.91	.0130	143
75	358	1030	75	363	0900	2.79	.2151	771
75	363	0900	76	002	0900	9.14	.0302	33
76	002	0900	76	005	0900	1.14	.0167	141
76	005	0900	76	007	0900	0	(.1002)	nd
76	007	0900	76	012	0900	2.41	.0260	108
76	012	0900	76	027	0915	3.18	.0849	267
76	027	0915	76	028	0900	2.79	.0393	141
76	208	0900	76	033	0900	2.24	.1019	455
76	033	0900	76	054	1700	2.16	.2629	1217
76	054	1700	76	060	2400	0.05	(.1160)	nd
Seasonal total						28.10	1.0877	mean 391 sd 380 n = 10

(Data estimated)

Table 17. (Continued)

Spring

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
76	061	0000	76	068	0815	0.06	.1994	nd
76	068	0815	76	071	0815	3.43	.1399	408
76	071	0815	76	089	0800	2.77	.1690	610
76	089	0800	76	093	0900	3.30	.1835	556
76	093	0900	76	124	0830	5.38	.8113	1508
76	124	0830	76	140	0830	3.00	.1422	474
76	140	0830	76	148	1000	0.46	(.1583)	nd
76	148	1000	76	152	2400	2.97	.0879	296
Seasonal total						21.37	1.8915	mean 642 sd 438 n = 6

(Data estimated)

WEIR 108 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1210	75 307 1320	53.0	8.68000E+06	3.05878E+06
75 307 1320	75 314 1545	65.8	8.49000E+06	3.71437E+06
75 314 1545	75 322 1255	37.8	2.23000E+07	5.60465E+06
75 322 1255	75 328 1540	47.3	8.63000E+06	2.71409E+06
75 328 1540	75 335 1520	47.5	8.23000E+06	2.59924E+06
WINTER 1975		37.4	1.01520E+08	2.35363E+07
SPRING 1975		39.4	2.28430E+08	5.60355E+07
SUMMER 1975		105.1	1.26513E+08	8.92314E+07
FALL 1975		106.7	2.44790E+08	1.98781E+08
TOTAL 1975		72.9	7.01253E+08	3.67584E+08

WEIR 108 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1520	75 342 1400	45.0	7.60000E+06	2.27394E+06
75 342 1400	75 349 1515	34.7	8.45000E+06	1.94957E+06
75 349 1515	75 356 1130	45.0	6.45000E+06	1.92985E+06
75 356 1130	75 363 1300	68.8	1.29000E+07	5.90106E+06
75 363 1300	76 005 1430	65.7	6.84000E+07	2.98795E+07
76 005 1430	76 012 1415	.	4.48000E+07	.
76 012 1415	76 019 1400	50.0	1.55000E+07	5.15293E+06
76 019 1400	76 026 1500	.	1.25000E+07	.
76 026 1500	76 033 1450	32.0	7.20000E+07	1.53191E+07
76 033 1450	76 040 1515	44.0	2.41000E+07	7.05053E+06
76 040 1515	76 047 1125	33.2	1.43000E+07	3.15665E+06
76 047 1125	76 054 1430	44.8	1.44000E+07	4.28936E+06
76 054 1430	76 061 1325	68.3	1.11000E+07	5.04076E+06
76 061 1325	76 068 1340	83.8	1.01000E+07	5.62753E+06
76 068 1340	76 075 1305	142.0	1.76000E+07	1.66170E+07
76 075 1305	76 082 1445	59.7	1.25000E+07	4.96177E+06
76 082 1445	76 089 1315	97.0	1.04000E+07	6.70745E+06
76 089 1315	76 096 1415	124.0	1.81000E+07	1.49229E+07
76 096 1415	76 103 1318	.	9.90000E+06	.
76 103 1318	76 110 1340	96.0	8.16000E+06	5.20851E+06
76 110 1340	76 117 1307	56.0	6.78000E+06	2.52447E+06
76 117 1307	76 124 1330	79.8	9.58000E+06	5.08301E+06
76 121 1500	76 124 1330	72.5	.	.
76 124 1330	76 131 1235	14.0	4.33000E+06	4.03059E+05
76 131 1235	76 138 1340	130.0	4.11000E+06	3.55253E+06
76 138 1340	76 145 1310	158.0	4.61000E+06	4.84295E+06
76 145 1310	76 153 1320	255.0	7.07000E+06	1.19870E+07
76 153 1320	76 159 1345	77.0	1.71000E+06	8.75465E+05
76 159 1345	76 166 1345	152.0	3.47000E+05	3.50691E+05
76 166 1345	76 173 1425	74.0	1.28000E+07	6.29787E+06
76 173 1425	76 180 1400	93.0	6.33000E+05	3.91416E+05
76 188 1300	76 194 1308	393.0	5.86000E+05	1.53124E+06
76 194 1308	76 201 1300	190.0	5.80000E+06	7.32713E+06
76 201 1300	76 208 1325	85.0	4.28000E+03	2.41888E+03
76 208 1325	76 215 1315	59.0	8.47000E+04	3.32267E+04
76 215 1315	76 222 1305	154.0	6.63000E+06	6.78870E+06
76 222 1305	76 229 1325	78.0	6.59000E+06	3.41769E+06
76 229 1325	76 236 1235	57.0	4.80000E+05	1.81915E+05
76 236 1235	76 243 1255	69.0	4.94000E+05	2.26636E+05
76 243 1255	76 251 1330	63.0	3.30000E+02	1.38231E+02
76 251 1330	76 257 1340	155.0	0.00000E+00	0.00000E+00
76 257 1340	76 264 1305	32.0	4.84000E+05	1.02979E+05
76 264 1305	76 271 1330	78.0	0.00000E+00	0.00000E+00
76 271 1330	76 278 1340	35.0	3.91000E+06	9.09907E+05
76 278 1340	76 286 1350	103.0	1.69000E+07	1.15738E+07
76 286 1350	76 292 1320	21.0	1.59000E+06	2.22008E+05
76 292 1320	76 300 1330	70.0	2.43000E+07	1.13098E+07

WEIR 108 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 300 1330	76 306 1505	48.0	1.51000E+07	4.81915E+06
76 306 1505	76 313 1455	30.0	6.31000E+06	1.25864E+06
76 313 1455	76 320 1335	28.0	4.41000E+06	8.21011E+05
76 320 1335	76 327 1400	85.0	3.81000E+06	2.15326E+06
76 327 1400	76 334 1555	21.0	4.20000E+06	5.86436E+05
	WINTER 1976	48.3	3.12500E+08	8.19433E+07
	SPRING 1976	105.2	1.23240E+08	8.24382E+07
	SUMMER 1976	123.4	3.61590E+07	2.74244E+07
	FALL 1976	59.2	8.10143E+07	3.37572E+07
	TOTAL 1976	84.7	5.52913E+08	2.25563E+08

WEIR 101 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	.	2.51000E+01	.
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	.	7.10000E+00	.
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	.	4.51000E+01	.
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	.	2.28000E+01	.
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	.	1.32000E+01	.
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	.	6.17000E+01	.
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	.	2.39000E+01	.
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	.	1.86000E+01	.
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	.	5.03000E+01	.
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	.	2.28000E+01	.
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	.	1.76000E+01	.
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	.	5.55000E+00	.
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	.	2.78000E+00	.
75 188 1045	. . .	.	1.93000E+00	.
75 195 1220	. . .	.	3.05000E+02	.
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	.	7.10000E+00	.
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	.	5.09000E+00	.
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	.	5.09000E+00	.
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	8	1.24000E+01	4.39132E-01
75 258 1145	. . .	.	4.23000E+00	.
75 265 1150	. . .	5	7.10000E+00	1.57149E-01
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	4	1.86000E+01	3.54050E-01
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	6	3.56000E+01	9.45551E-01

WEIR 101 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	3	1.86000E+01	2.47012E-01
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	4	2.39000E+01	4.23196E-01
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		.	4.42320E+02	.
SPRING 1975		.	4.32100E+02	.
SUMMER 1975		.	4.93770E+02	.
FALL 1975		5	2.96730E+02	2.56609E+00
TOTAL 1975		5	1.59062E+03	2.56609E+00

WEIR 101 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1145	. . .	16	2.28000E+01	1.61487E+00
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	6	1.67000E+01	4.43559E-01
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	4	2.17000E+01	3.84241E-01
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	4	4.02000E+01	7.11819E-01
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	6	3.14000E+01	8.33997E-01
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	4	3.28000E+01	5.80788E-01
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	3	3.28000E+01	4.35591E-01
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	3	1.96000E+01	2.60292E-01
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	2	2.28000E+01	2.01859E-01
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	4	3.28000E+01	5.80788E-01
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	5	1.67000E+01	3.69633E-01
76 117 0950	. . .	5	1.24000E+01	2.74458E-01
76 124 1017	. . .	6	2.06000E+01	5.47145E-01
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	7	8.27000E+00	2.56264E-01
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	4	1.09000E+01	1.93006E-01
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	21	1.07000E+00	9.94688E-02
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	13	3.88000E+01	2.23285E+00
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	1	2.19000E+00	9.69456E-03
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	10	7.24000E+01	3.20496E+00
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	10	1.69000E+00	7.48119E-02
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	5	1.07000E+00	2.36830E-02
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	6	1.32000E+01	3.50598E-01
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	2	7.67000E+00	6.79062E-02

WEIR 101 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	3	1.32000E+01	1.75299E-01
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	3	2.88000E+01	3.82470E-01
WINTER 1976		6	4.43800E+02	5.00487E+00
SPRING 1976		5	2.50000E+02	2.68344E+00
SUMMER 1976		10	2.74760E+02	5.81479E+00
FALL 1976		4	3.91940E+02	9.99956E-01
TOTAL 1976		6	1.25320E+03	1.43100E+01

WEIR 1021975 NITRITE
SPOT SAMPLES

FROM			TO			CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74	336	1055	.	.	.	.	2.51000E+01	.
74	343	1105	.	.	.	.	1.96000E+01	.
74	350	1215	.	.	.	.	2.23000E+02	.
74	364	1015	.	.	.	.	9.54000E+00	.
75	006	1140	.	.	.	.	5.09000E+00	.
75	013	1125	.	.	.	.	3.14000E+01	.
75	027	1135	.	.	.	.	2.06000E+01	.
75	034	1205	.	.	.	.	1.40000E+01	.
75	041	1300	.	.	.	.	2.06000E+01	.
75	049	1350	.	.	.	.	1.96000E+01	.
75	055	1220	.	.	.	.	2.39000E+01	.
75	062	1240	.	.	.	.	1.24000E+01	.
75	069	1415	.	.	.	.	1.02000E+01	.
75	076	1330	.	.	.	.	7.47000E+01	.
75	083	1400	.	.	.	.	6.59000E+01	.
75	090	1300	.	.	.	.	2.75000E+01	.
75	097	1240	.	.	.	.	1.67000E+01	.
75	104	1225	.	.	.	.	1.32000E+01	.
75	111	1225	.	.	.	.	1.32000E+01	.
75	118	1225	.	.	.	.	2.17000E+01	.
75	125	1320	.	.	.	.	4.51000E+01	.
75	132	1150	.	.	.	.	1.96000E+01	.
75	139	1205	.	.	.	.	2.06000E+01	.
75	147	1150	.	.	.	.	1.02000E+01	.
75	153	1400	.	.	.	.	1.02000E+01	.
75	160	1210	.	.	.	.	3.83000E+00	.
75	167	1130	.	.	.	.	3.11000E+00	.
75	174	1135	.	.	.	.	1.69000E+00	.
75	181	.	.	.	.	.	1.69000E+00	.
75	195	1240	.	.	.	.	3.73000E+02	.
75	202	1200	.	.	.	.	5.21000E+01	.
75	209	1245	.	.	.	.	4.65000E+00	.
75	216	1115	.	.	.	.	2.48000E+00	.
75	223	1140	.	.	.	.	2.48000E+00	.
75	230	1220	.	.	.	.	1.40000E+01	.
75	237	1120	.	.	.	.	2.78000E+00	.
75	244	1040	.	.	.	.	3.42000E+01	.
75	251	1145	.	.	.	8	8.27000E+00	3.44943E-01
75	258	1200	.	.	.	.	2.48000E+00	.
75	265	1205	.	.	.	5	4.65000E+00	1.21220E-01
75	272	1220	.	.	.	.	3.14000E+01	.
75	280	0940	.	.	.	4	1.24000E+01	2.77998E-01
75	287	0940	.	.	.	.	1.67000E+01	.
75	293	1010	.	.	.	3	2.51000E+01	3.92596E-01
75	301	1055	.	.	.	.	1.49000E+01	.
75	307	1050	.	.	.	3	1.32000E+01	2.06465E-01
75	314	1345	.	.	.	.	1.40000E+01	.

WEIR 102 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 321 0940	. . .	3	1.96000E+01	3.06569E-01
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		.	4.24830E+02	.
SPRING 1975		.	3.61200E+02	.
SUMMER 1975		.	5.06210E+02	.
FALL 1975		4	2.11800E+02	1.64979E+00
TOTAL 1975		4	1.44724E+03	1.64979E+00

WEIR 102 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1200	. . .	14	1.86000E+01	1.35766E+00
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	7	1.32000E+01	4.81752E-01
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	5	1.76000E+01	4.58811E-01
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	8	3.86000E+01	1.61001E+00
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	7	2.88000E+01	1.05109E+00
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	4	2.51000E+01	5.23462E-01
76 047 0915	. . .	3	2.39000E+01	3.73827E-01
76 054 1055	. . .	4	2.63000E+01	5.48488E-01
76 061 1040	. . .	6	1.76000E+01	5.50574E-01
76 068 1100	. . .	5	1.49000E+01	3.88425E-01
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	5	1.96000E+01	5.10949E-01
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	3	2.75000E+01	4.30136E-01
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	8	1.32000E+01	5.50574E-01
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	8	1.49000E+01	6.21481E-01
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	14	7.67000E+00	5.59854E-01
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	8	7.67000E+00	3.19917E-01
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	16	4.92000E+01	4.10428E+00
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	5	7.47000E+01	1.94734E+00
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	5	1.67000E+01	4.35349E-01
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	3	3.88000E+01	6.06882E-01
76 278 1105	. . .	4	8.89000E+00	1.85401E-01
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	2	5.55000E+00	5.78728E-02
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	1	2.88000E+01	1.50156E-01
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	2	9.54000E+00	9.94786E-02
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	1	2.39000E+01	1.24609E-01
WINTER 1976		6	3.55800E+02	6.95568E+00

WEIR 102 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		7	2.04520E+02	3.93191E+00
SUMMER 1976		8	2.39820E+02	6.80688E+00
FALL 1976		2	2.36650E+02	1.22440E+00
TOTAL 1976		6	1.01152E+03	1.80484E+01

WEIR 103 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	.	8.89000E+00	.
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	.	4.65000E+00	.
75 006 1200	. . .	.	4.23000E+00	.
75 013 1200	. . .	.	4.51000E+01	.
75 027 1155	. . .	.	1.76000E+01	.
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	.	1.24000E+01	.
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	.	7.93000E+01	.
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	.	2.75000E+01	.
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	.	1.96000E+01	.
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	.	5.39000E+01	.
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	.	2.63000E+01	.
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	.	1.58000E+01	.
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	.	3.28000E+01	.
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	.	2.78000E+00	.
75 195 1600	. . .	.	2.02000E+02	.
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	.	6.56000E+00	.
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	.	2.48000E+00	.
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	5	2.48000E+00	4.88959E-02
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	4	4.65000E+00	7.33438E-02
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	26	1.67000E+01	1.71215E+00
75 287 1235	. . .	.	2.06000E+01	.
75 293 1215	. . .	2	2.75000E+01	2.16877E-01
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	0	1.96000E+01	0.00000E+00
75 314 1605	. . .	4	2.39000E+01	3.76972E-01

WEIR 103 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 322 1315	. . .	3	2.51000E+01	2.96924E-01
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		.	3.57570E+02	.
SPRING 1975		.	4.57200E+02	.
SUMMER 1975		.	3.67110E+02	.
FALL 1975		6	2.55990E+02	2.72516E+00
TOTAL 1975		6	1.38297E+03	2.72516E+00

WEIR 103 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1555	. . .	12	2.51000E+01	1.18770E+00
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	4	2.06000E+01	3.24921E-01
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	4	2.39000E+01	3.76972E-01
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	3	4.68000E+01	5.53628E-01
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	8	6.59000E+01	2.07886E+00
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	4	4.18000E+01	6.59306E-01
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	4	3.56000E+01	5.61514E-01
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	4	2.51000E+01	3.95899E-01
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	4	3.14000E+01	4.95268E-01
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	3	3.86000E+01	4.56625E-01
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	6	2.28000E+01	5.39432E-01
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	6	2.06000E+01	4.87382E-01
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	.	1.24000E+01	.
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	8	1.32000E+01	4.16404E-01
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	7	8.99000E+01	2.48147E+00
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	2	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	6	2.51000E+01	5.93849E-01
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	3	7.67000E+00	9.07334E-02
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	2	6.05000E+00	4.77129E-02
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	2	3.01000E+01	2.37382E-01
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	1	1.24000E+01	4.88959E-02
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	0	3.01000E+01	0.00000E+00
WINTER 1976		6	5.24900E+02	5.74290E+00
SPRING 1976		5	3.20530E+02	2.79101E+00

WEIR 103 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1976		6	1.47850E+02	3.49172E+00
FALL 1976		2	1.88000E+02	4.24724E-01
TOTAL 1976		4	1.13798E+03	1.20340E+01

WEIR 105 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	.	2.17000E+01	.
75 027 1320	. . .	.	3.83000E+00	.
75 034 1035	. . .	.	2.48000E+00	.
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	.	2.19000E+00	.
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	.	1.76000E+01	.
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	.	3.46000E+00	.
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	.	2.48000E+00	.
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	.	8.89000E+00	.
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	.	3.83000E+00	.
75 147 1035	. . .	.	1.93000E+00	.
75 153 1030	. . .	.	2.19000E+00	.
75 160 1030	. . .	.	4.92000E+01	.
75 167 1010	. . .	.	3.88000E+01	.
75 174 1040	. . .	.	1.91000E+02	.
75 181 .	. . .	.	3.92000E+02	.
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	.	6.18000E+01	.
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	.	8.99000E+01	.
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	.	2.98000E+01	.
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	.	4.92000E+01	.
75 244 0940	. . .	.	5.55000E+00	.
75 251 1015	. . .	13	1.07000E+00	3.70933E-01
75 258 1045	. . .	.	6.12000E+01	.
75 265 1040	. . .	3	4.92000E+01	3.93600E+00
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	6	2.48000E+00	3.96800E-01
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	2	7.67000E+00	4.09067E-01
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	0	2.48000E+00	0.00000E+00
75 314 1240	. . .	2	3.11000E+00	1.65867E-01
75 321 1145	. . .	3	3.46000E+00	2.76800E-01
75 328 1035	. . .	3	2.48000E+00	1.98400E-01

WEIR 105 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		.	1.16420E+02	.
SPRING 1975		.	7.57500E+01	.
SUMMER 1975		.	1.18614E+03	.
FALL 1975		4	1.52020E+02	5.75387E+00
TOTAL 1975		4	1.52040E+03	5.75387E+00

WEIR 105 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1040	. . .	6	3.46000E+00	5.53600E-01
75 342 1000	. . .	2	1.93000E+00	1.02933E-01
75 349 1010	. . .	2	1.93000E+00	1.02933E-01
75 356 0915	. . .	2	1.26000E+00	6.72000E-02
75 363 1010	. . .	2	3.11000E+00	1.65867E-01
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	1	7.10000E+00	1.89333E-01
76 019 1030	. . .	1	2.19000E+00	5.84000E-02
76 026 1255	. . .	3	8.89000E+00	7.11200E-01
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	2	5.09000E+00	2.71467E-01
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	2	4.65000E+00	2.48000E-01
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	2	2.78000E+00	1.48267E-01
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	2	3.46000E+00	1.84533E-01
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	1	5.09000E+00	1.35733E-01
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	2	2.48000E+00	1.32267E-01
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	2	2.19000E+00	1.16800E-01
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	2	8.99000E+01	4.79467E+00
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	2	8.99000E+01	4.79467E+00
76 159 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	4	1.91000E+02	2.03733E+01
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	11	1.91000E+02	5.60267E+01
76 188 0830	. . .	13	6.94000E+03	2.40587E+03
76 194 0855	. . .	29	1.08000E+01	8.35200E+00
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	10	6.94000E+03	1.85067E+03
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	5	7.67000E+00	1.02267E+00
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	6	1.91000E+02	3.05600E+01
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	29	6.94000E+03	5.36693E+03
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	13	1.91000E+02	6.62133E+01
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 278 0924	. . .	2	8.99000E+01	4.79467E+00
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	3	8.99000E+01	7.19200E+00
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	1	6.56000E+00	1.74933E-01
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	1	1.69000E+00	4.50667E-02
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	1	4.65000E+00	1.24000E-01
	WINTER 1976	2	7.11900E+01	2.47093E+00
	SPRING 1976	2	3.25770E+02	1.03069E+01
	SUMMER 1976	10	1.51813E+04	4.37766E+03
	FALL 1976	7	2.14178E+04	5.44548E+03
	TOTAL 1976	5	3.67118E+04	9.83112E+03

WEIR 106 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	.	4.18000E+01	.
75 027 1340	. . .	.	8.89000E+00	.
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	.	4.23000E+00	.
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	.	3.14000E+01	.
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	.	8.27000E+00	.
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	.	1.09000E+01	.
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	.	2.19000E+00	.
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	.	8.89000E+00	.
75 147 1055	. . .	.	5.09000E+00	.
75 153 1045	. . .	.	5.55000E+00	.
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	.	4.65000E+00	.
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	.	3.11000E+00	.
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	.	1.26000E+02	.
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	.	2.19000E+00	.
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	.	1.07000E+00	.
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	.	1.07000E+00	.
75 244 0930	. . .	.	1.24000E+01	.
75 251 1040	. . .	13	2.78000E+00	3.79224E-01
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	7	1.69000E+00	1.24134E-01
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	5	6.56000E+00	3.57943E-01
75 287 0855	. . .	.	8.27000E+00	.
75 293 0900	. . .	5	1.40000E+01	7.34523E-01
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	0	7.10000E+00	0.00000E+00
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	7	8.89000E+00	6.52991E-01
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		.	9.34500E+01	.
SPRING 1975		.	1.55770E+02	.
SUMMER 1975		.	1.89600E+02	.
FALL 1975		6	1.60890E+02	2.24881E+00
TOTAL 1975		6	5.76670E+02	2.24881E+00

WEIR 106 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1055	. . .	6	8.89000E+00	5.59706E-01
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	4	6.05000E+00	2.53935E-01
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	4	7.67000E+00	3.21931E-01
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	4	1.40000E+01	5.87618E-01
76 019 1035	. . .	3	7.10000E+00	2.23505E-01
76 026 1013	. . .	9	7.67000E+00	7.24344E-01
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	3	1.17000E+01	3.68311E-01
76 047 0810	. . .	3	1.17000E+01	3.68311E-01
76 054 0935	. . .	4	1.09000E+01	4.57503E-01
76 061 0925	. . .	3	8.27000E+00	2.60336E-01
76 068 1000	. . .	3	7.67000E+00	2.41448E-01
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	3	8.27000E+00	2.60336E-01
76 089 1015	. . .	3	8.27000E+00	2.60336E-01
76 096 1000	. . .	3	1.17000E+01	3.68311E-01
76 103 0957	. . .	4	6.56000E+00	2.75341E-01
76 110 0955	. . .	4	6.05000E+00	2.53935E-01
76 117 0905	. . .	6	4.65000E+00	2.92760E-01
76 124 0937	. . .	7	6.05000E+00	4.44386E-01
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	8	3.11000E+00	2.61070E-01
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	5	3.11000E+00	1.63169E-01
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	8	1.08000E+01	9.06611E-01
76 173 0950	. . .	7	7.47000E+01	5.48688E+00
76 180 1000	. . .	4	6.94000E+03	2.91291E+02
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	7	6.12000E+01	4.49528E+00
76 201 0925	. . .	5	2.98000E+01	1.56348E+00
76 208 0950	. . .	8	1.23000E+03	1.03253E+02
76 215 0950	. . .	4	3.92000E+02	1.64533E+01
76 222 0930	. . .	4	1.67000E+01	7.00944E-01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	4	1.59000E+01	6.67366E-01
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	14	1.23000E+03	1.80693E+02
76 264 0915	. . .	5	1.23000E+03	6.45331E+01
76 278 0945	. . .	4	1.26000E+00	5.28856E-02
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	4	1.69000E+00	7.09339E-02
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	2	1.09000E+01	2.28751E-01

WEIR 106 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	2	3.11000E+00	6.52676E-02
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	0	1.09000E+01	0.00000E+00
	WINTER 1976	4	1.50130E+02	4.12550E+00
	SPRING 1976	4	8.81600E+01	3.08143E+00
	SUMMER 1976	6	1.04950E+04	4.24981E+02
	FALL 1976	4	2.92175E+03	2.45643E+02
	TOTAL 1976	5	1.32517E+04	6.77407E+02

WEIR 107 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	.	2.19000E+00	.
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	.	7.47000E+01	.
75 006 1000	. . .	.	7.47000E+01	.
75 013 1600	. . .	.	3.11000E+00	.
75 027 1020	. . .	.	3.46000E+00	.
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	.	2.19000E+00	.
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	.	1.09000E+01	.
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	.	6.05000E+00	.
75 104 .	. . .	.	2.78000E+00	.
75 111 1015	. . .	.	2.78000E+00	.
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	.	5.55000E+00	.
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	.	3.46000E+00	.
75 147 0950	. . .	.	2.78000E+00	.
75 153 0945	. . .	.	2.48000E+00	.
75 160 0940	. . .	.	1.23000E+03	.
75 167 0935	. . .	.	1.07000E+00	.
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	.	7.47000E+01	.
75 188 0910	. . .	.	2.22000E+01	.
75 195 0955	. . .	.	4.02000E+01	.
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	.	1.46000E+00	.
75 216 .	. . .	.	8.99000E+01	.
75 223 1000	. . .	.	8.99000E+01	.
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	.	6.12000E+01	.
75 244 0855	. . .	.	2.19000E+00	.
75 251 0935	. . .	3	1.07000E+00	1.13830E-01
75 258 0935	. . .	.	4.92000E+01	.
75 265 1015	. . .	2	5.19000E+01	3.68085E+00
75 272 0950	. . .	.	.	.
WINTER 1975		.	1.91100E+02	.
SPRING 1975		.	7.23800E+01	.

WEIR 107 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1975		.	1.71413E+03	.
FALL 1975		3	1.04360E+02	3.79468E+00
TOTAL 1975		3	2.07452E+03	3.79468E+00
75 280 0800	. . .	5	.	.
75 287 0800	. . .	.	.	.
75 293 0805	. . .	2	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	0	.	.
75 314 1155	. . .	2	.	.
75 321 0900	. . .	4	.	.
75 328 0950	. . .	3	.	.
WINTER 1975		.	1.91100E+02	.
SPRING 1975		.	7.23800E+01	.
SUMMER 1975		.	1.71413E+03	.
FALL 1975		3	1.04360E+02	3.79468E+00
TOTAL 1975		3	2.07452E+03	3.79468E+00

WEIR 107 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1010	. . .	6	.	.
75 342 0930	. . .	2	.	.
75 349 0945	. . .	2	.	.
75 356 0845	. . .	2	.	.
75 363 0935	. . .	1	.	.
76 005 0800	. . .	2	.	.
76 012 1030	. . .	1	.	.
76 019 0930	. . .	1	.	.
76 026 0915	. . .	3	.	.
76 033 1015	. . .	2	.	.
76 040 1015	. . .	1	.	.
76 047 1215	. . .	2	.	.
76 054 0850	. . .	2	.	.
76 061 0845	. . .	2	.	.
76 068 0915	. . .	1	.	.
76 075 0915	. . .	2	.	.
76 082 0915	. . .	2	.	.
76 089 0915	. . .	9	.	.
76 096 0900	. . .	2	.	.
76 103 0910	. . .	1	.	.
76 110 0905	. . .	2	.	.
76 117 0830	. . .	1	.	.
76 124 0845	. . .	1	.	.
76 131 0800	. . .	1	.	.
76 138 0810	. . .	2	.	.
76 145 0815	. . .	3	.	.
76 153 1630	. . .	2	.	.
76 159 0810	. . .	1	8.99000E+01	3.18794E+00
76 166 0750	. . .	5	4.92000E+01	8.72340E+00
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	4	3.88000E+01	5.50355E+00
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	6	4.92000E+01	1.04681E+01
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	6	1.08000E+01	2.29787E+00
76 222 0820	. . .	9	2.78000E+00	8.87234E-01
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	4	2.24000E+01	3.17730E+00
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	4	7.47000E+01	1.05957E+01
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	2	8.99000E+01	6.37589E+00
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	1	2.78000E+00	9.85816E-02
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	1	1.07000E+00	3.79433E-02

WEIR 107 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	0	4.92000E+01	0.00000E+00
WINTER 1976		2	.	.
SPRING 1976		2	.	.
SUMMER 1976		5	6.43170E+02	3.42454E+01
FALL 1976		2	5.45150E+02	1.71082E+01
TOTAL 1976		3	9.61320E+02	5.13535E+01

WEIR 108 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	.	1.02000E+01	.
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	.	4.23000E+00	.
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	.	4.68000E+01	.
75 027 1240	. . .	.	1.24000E+01	.
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	.	8.89000E+00	.
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	.	3.56000E+01	.
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	.	1.58000E+01	.
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	.	1.24000E+01	.
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	.	3.14000E+01	.
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	.	1.57000E+01	.
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	.	1.17000E+01	.
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	.	5.55000E+00	.
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	.	1.69000E+00	.
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	.	1.08000E+02	.
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	.	7.10000E+00	.
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	.	2.78000E+00	.
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	.	1.69000E+00	.
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	10	7.10000E+00	4.72074E-01
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	9	3.11000E+00	1.86104E-01
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	6	1.40000E+01	5.58511E-01
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	4	2.51000E+01	6.67553E-01
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	6	1.49000E+01	5.94415E-01

WEIR 108 1975 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	7	1.67000E+01	7.77261E-01
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		.	4.77290E+02	.
SPRING 1975		.	2.50990E+02	.
SUMMER 1975		.	3.08370E+02	.
FALL 1975		7	1.99980E+02	3.25592E+00
TOTAL 1975		7	1.19413E+03	3.25592E+00

WEIR 108 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1520	. . .	14	1.86000E+01	1.73138E+00
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	4	1.24000E+01	3.29787E-01
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	7	1.40000E+01	6.51596E-01
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	5	3.28000E+01	1.09043E+00
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	8	4.34000E+01	2.30851E+00
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	5	2.63000E+01	8.74335E-01
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	8	2.06000E+01	1.09574E+00
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	6	1.49000E+01	5.94415E-01
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	7	1.58000E+01	7.35372E-01
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	6	1.86000E+01	7.42021E-01
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	11	1.17000E+01	8.55718E-01
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	9	1.02000E+01	6.10372E-01
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	.	8.89000E+00	.
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	12	6.05000E+00	4.82713E-01
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	3	1.59000E+01	3.17154E-01
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	2	1.93000E+00	2.56649E-02
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	8	2.51000E+01	1.33511E+00
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	2	3.83000E+00	5.09309E-02
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	1	3.46000E+00	2.30053E-02
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	1	1.58000E+01	1.05053E-01
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	1	7.10000E+00	4.72074E-02
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	0	2.06000E+01	0.00000E+00
WINTER 1976		7	3.78300E+02	8.08178E+00

WEIR 108 1976 NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		8	1.70440E+02	4.02061E+00
SUMMER 1976		6	4.91690E+02	2.16064E+00
FALL 1976		1	4.98270E+02	2.26197E-01
TOTAL 1976		6	1.12395E+03	1.40065E+01

WEIR 101 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	334	2.51000E+01	3.71111E+01
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	173	7.10000E+00	5.43736E+00
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	230	4.51000E+01	4.59185E+01
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	468	2.28000E+01	4.72351E+01
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	350	1.32000E+01	2.04515E+01
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	662	6.17000E+01	1.80812E+02
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	476	2.39000E+01	5.03603E+01
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	230	1.86000E+01	1.89376E+01
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	186	5.03000E+01	4.14157E+01
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	342	2.28000E+01	3.45179E+01
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	97	1.76000E+01	7.55733E+00
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	212	5.55000E+00	5.20850E+00
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	333	2.78000E+00	4.09801E+00
75 188 1045	. . .	284	1.93000E+00	2.42638E+00
75 195 1220	. . .	223	3.05000E+02	3.01085E+02
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	126	7.10000E+00	3.96016E+00
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	101	5.09000E+00	2.27574E+00
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	235	5.09000E+00	5.29504E+00
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	163	1.24000E+01	8.94732E+00
75 258 1145	. . .	167	4.23000E+00	3.12709E+00
75 265 1150	. . .	151	7.10000E+00	4.74591E+00
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	326	1.86000E+01	2.68420E+01
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	178	3.56000E+01	2.80514E+01

WEIR 101 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	247	1.86000E+01	2.03373E+01
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	382	2.39000E+01	4.04152E+01
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		301	4.42320E+02	1.35702E+02
SPRING 1975		335	4.32100E+02	3.54052E+02
SUMMER 1975		201	4.93770E+02	3.31906E+02
FALL 1975		231	2.96730E+02	1.32466E+02
TOTAL 1975		267	1.59062E+03	9.46569E+02

WEIR 101 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1145	. . .	416	2.28000E+01	4.19867E+01
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	262	1.67000E+01	1.93687E+01
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	368	2.17000E+01	3.53502E+01
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	495	4.02000E+01	8.80876E+01
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	606	3.14000E+01	8.42337E+01
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	523	3.28000E+01	7.59380E+01
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	510	3.28000E+01	7.40505E+01
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	398	1.96000E+01	3.45321E+01
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	463	2.28000E+01	4.67304E+01
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	338	3.28000E+01	4.90766E+01
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	347	1.67000E+01	2.56525E+01
76 117 0950	. . .	305	1.24000E+01	1.67419E+01
76 124 1017	. . .	183	2.06000E+01	1.66879E+01
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	274	8.27000E+00	1.00309E+01
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	225	1.09000E+01	1.08566E+01
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	360	1.07000E+00	1.70518E+00
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	385	3.88000E+01	6.61266E+01
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	260	2.19000E+00	2.52058E+00
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	217	7.24000E+01	6.95476E+01
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	388	1.69000E+00	2.90270E+00
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	94	1.07000E+00	4.45241E-01
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	327	1.32000E+01	1.91076E+01
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	90	7.67000E+00	3.05578E+00

WEIR 101 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	132	1.32000E+01	7.71315E+00
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	78	2.88000E+01	9.94422E+00
WINTER 1976		454	4.43800E+02	4.19015E+02
SPRING 1976		317	2.50000E+02	2.10309E+02
SUMMER 1976		306	2.74760E+02	1.53659E+02
FALL 1976		144	3.91940E+02	4.02660E+01
TOTAL 1976		322	1.25320E+03	8.12393E+02

WEIR 102 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1055	. . .	574	2.51000E+01	7.51168E+01
74 343 1105	. . .	203	1.96000E+01	2.07445E+01
74 350 1215	. . .	227	2.23000E+02	2.63926E+02
74 364 1015	. . .	66	9.54000E+00	3.28279E+00
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	91	3.14000E+01	1.48978E+01
75 027 1135	. . .	307	2.06000E+01	3.29729E+01
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	206	1.02000E+01	1.09552E+01
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	455	6.59000E+01	1.56332E+02
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	199	1.67000E+01	1.73269E+01
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	30	1.32000E+01	2.06465E+00
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	96	4.51000E+01	2.25735E+01
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	174	2.06000E+01	1.86882E+01
75 147 1150	. . .	.	1.02000E+01	.
75 153 1400	. . .	86	1.02000E+01	4.57351E+00
75 160 1210	. . .	133	3.83000E+00	2.65584E+00
75 167 1130	. . .	254	3.11000E+00	4.11856E+00
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	277	1.69000E+00	2.44072E+00
75 195 1240	. . .	233	3.73000E+02	4.53123E+02
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	119	4.65000E+00	2.88504E+00
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	118	2.48000E+00	1.52576E+00
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	204	2.78000E+00	2.95683E+00
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	225	8.27000E+00	9.70151E+00
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	181	4.65000E+00	4.38816E+00
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	476	1.24000E+01	3.07737E+01
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	167	2.51000E+01	2.18545E+01
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	230	1.32000E+01	1.58290E+01
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 321 0940	. . .	368	1.96000E+01	3.76058E+01
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		245	4.24830E+02	4.10941E+02
SPRING 1975		178	3.61200E+02	2.32514E+02
SUMMER 1975		178	5.06210E+02	4.74279E+02
FALL 1975		274	2.11800E+02	1.20153E+02
TOTAL 1975		219	1.44724E+03	1.23331E+03

WEIR 102 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1200	. . .	347	1.86000E+01	3.36507E+01
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	257	1.32000E+01	1.76872E+01
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	380	1.76000E+01	3.48697E+01
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	518	3.86000E+01	1.04248E+02
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	637	2.88000E+01	9.56496E+01
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	616	2.51000E+01	8.06131E+01
76 047 0915	. . .	536	2.39000E+01	6.67904E+01
76 054 1055	. . .	509	2.63000E+01	6.97951E+01
76 061 1040	. . .	532	1.76000E+01	4.88175E+01
76 068 1100	. . .	411	1.49000E+01	3.19286E+01
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	488	1.96000E+01	4.98686E+01
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	375	2.75000E+01	5.37669E+01
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	434	1.32000E+01	2.98686E+01
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	260	1.49000E+01	2.01981E+01
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	389	7.67000E+00	1.55559E+01
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	337	7.67000E+00	1.34765E+01
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	632	4.92000E+01	1.62119E+02
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	512	7.47000E+01	1.99408E+02
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	549	1.67000E+01	4.78014E+01
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	124	3.88000E+01	2.50845E+01
76 278 1105	. . .	913	8.89000E+00	4.23179E+01
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	176	5.55000E+00	5.09281E+00
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	202	2.88000E+01	3.03316E+01
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	223	9.54000E+00	1.10919E+01
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	59	2.39000E+01	7.35193E+00
WINTER 1976		481	3.55800E+02	5.52121E+02

WEIR 102 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SPRING 1976		403	2.04520E+02	2.63481E+02
SUMMER 1976		507	2.39820E+02	4.22804E+02
FALL 1976		283	2.36650E+02	1.21271E+02
TOTAL 1976		417	1.01152E+03	1.29738E+03

WEIR 103 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	245	8.89000E+00	8.58853E+00
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	55	4.65000E+00	1.00848E+00
75 006 1200	. . .	104	4.23000E+00	1.73470E+00
75 013 1200	. . .	142	4.51000E+01	2.52532E+01
75 027 1155	. . .	477	1.76000E+01	3.31041E+01
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	79	1.24000E+01	3.86278E+00
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	260	7.93000E+01	8.13013E+01
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	55	2.75000E+01	5.96412E+00
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	16	1.96000E+01	1.23659E+00
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	61	5.39000E+01	1.29649E+01
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	110	2.63000E+01	1.14077E+01
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	68	1.58000E+01	4.23659E+00
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	274	3.28000E+01	3.54385E+01
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	145	2.78000E+00	1.58951E+00
75 195 1600	. . .	172	2.02000E+02	1.37003E+02
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	38	6.56000E+00	9.82965E-01
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	34	2.48000E+00	3.32492E-01
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	99	2.48000E+00	9.68139E-01
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	75	4.65000E+00	1.37520E+00
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	171	1.67000E+01	1.12606E+01
75 287 1235	. . .	160	2.06000E+01	1.29968E+01
75 293 1215	. . .	66	2.75000E+01	7.15694E+00
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	92	1.96000E+01	7.11041E+00
75 314 1605	. . .	12	2.39000E+01	1.13091E+00

WEIR 103 1975 NITRATE+NITRITE SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 322 1315	. . .	98	2.51000E+01	9.69953E+00
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		205	3.57570E+02	6.96890E+01
SPRING 1975		93	4.57200E+02	1.20974E+02
SUMMER 1975		122	3.67110E+02	1.79583E+02
FALL 1975		97	2.55990E+02	5.16986E+01
TOTAL 1975		124	1.38297E+03	4.17708E+02

WEIR 103 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1555	. . .	179	2.51000E+01	1.77165E+01
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	116	2.06000E+01	9.42271E+00
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	190	2.39000E+01	1.79062E+01
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	259	4.68000E+01	4.77965E+01
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	344	6.59000E+01	8.93912E+01
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	276	4.18000E+01	4.54921E+01
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	338	3.56000E+01	4.74479E+01
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	194	2.51000E+01	1.92011E+01
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	205	3.14000E+01	2.53825E+01
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	243	3.86000E+01	3.69866E+01
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	138	2.28000E+01	1.24069E+01
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	256	2.06000E+01	2.07950E+01
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	179	1.24000E+01	8.75237E+00
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	203	1.32000E+01	1.05662E+01
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	203	8.99000E+01	7.19625E+01
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	135	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	563	2.51000E+01	5.57228E+01
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	294	7.67000E+00	8.89188E+00
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	33	6.05000E+00	7.87263E-01
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	88	3.01000E+01	1.04448E+01
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	23	1.24000E+01	1.12461E+00
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	3	3.01000E+01	3.56073E-01
WINTER 1976		243	5.24900E+02	2.75173E+02
SPRING 1976		203	3.20530E+02	1.34091E+02

WEIR 103 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SUMMER 1976		276	1.47850E+02	1.38252E+02
FALL 1976		88	1.88000E+02	2.16046E+01
TOTAL 1976		203	1.13798E+03	5.58554E+02

WEIR105 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	82	2.17000E+01	4.74507E+01
75 027 1320	. . .	140	3.83000E+00	1.42987E+01
75 034 1035	. . .	113	2.48000E+00	7.47307E+00
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	126	2.19000E+00	7.35840E+00
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	254	1.76000E+01	1.19211E+02
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	107	3.46000E+00	9.87253E+00
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	30	2.48000E+00	1.98400E+00
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	37	8.89000E+00	8.77147E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	71	3.83000E+00	7.25147E+00
75 147 1035	. . .	97	1.93000E+00	4.99227E+00
75 153 1030	. . .	32	2.19000E+00	1.86880E+00
75 160 1030	. . .	82	4.92000E+01	1.07584E+02
75 167 1010	. . .	114	3.88000E+01	1.17952E+02
75 174 1040	. . .	15	1.91000E+02	7.64000E+01
75 181 .	. . .	42	3.92000E+02	4.39040E+02
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	77	6.18000E+01	1.26896E+02
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	35	8.99000E+01	8.39067E+01
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	53	2.98000E+01	4.21173E+01
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	57	4.92000E+01	7.47840E+01
75 244 0940	. . .	121	5.55000E+00	1.79080E+01
75 251 1015	. . .	67	1.07000E+00	1.91173E+00
75 258 1045	. . .	34	6.12000E+01	5.54880E+01
75 265 1040	. . .	44	4.92000E+01	5.77280E+01
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	169	2.48000E+00	1.11765E+01
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	48	7.67000E+00	9.81760E+00
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	58	2.48000E+00	3.83573E+00
75 314 1240	. . .	12	3.11000E+00	9.95200E-01
75 321 1145	. . .	92	3.46000E+00	8.48853E+00
75 328 1035	. . .	79	2.48000E+00	5.22453E+00

WEIR 105 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
WINTER 1975		112	1.16420E+02	6.92224E+01
SPRING 1975		94	7.57500E+01	1.61310E+02
SUMMER 1975		63	1.18614E+03	1.08846E+03
FALL 1975		72	1.52020E+02	1.72574E+02
TOTAL 1975		79	1.52040E+03	1.47179E+03

WEIR 105 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	82	2.17000E+01	4.74507E+01
75 027 1320	. . .	140	3.83000E+00	1.42987E+01
75 034 1035	. . .	113	2.48000E+00	7.47307E+00
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	126	2.19000E+00	7.35840E+00
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	254	1.76000E+01	1.19211E+02
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	107	3.46000E+00	9.87253E+00
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	30	2.48000E+00	1.98400E+00
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	37	8.89000E+00	8.77147E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	71	3.83000E+00	7.25147E+00
75 147 1035	. . .	97	1.93000E+00	4.99227E+00
75 153 1030	. . .	32	2.19000E+00	1.86880E+00
75 160 1030	. . .	82	4.92000E+01	1.07584E+02
75 167 1010	. . .	114	3.88000E+01	1.17952E+02
75 174 1040	. . .	15	1.91000E+02	7.64000E+01
75 181 .	. . .	42	3.92000E+02	4.39040E+02
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	77	6.18000E+01	1.26896E+02
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	35	8.99000E+01	8.39067E+01
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	53	2.98000E+01	4.21173E+01
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	57	4.92000E+01	7.47840E+01
75 244 0940	. . .	121	5.55000E+00	1.79080E+01
75 251 1015	. . .	67	1.07000E+00	1.91173E+00
75 258 1045	. . .	34	6.12000E+01	5.54880E+01
75 265 1040	. . .	44	4.92000E+01	5.77280E+01
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	169	2.48000E+00	1.11765E+01
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	48	7.67000E+00	9.81760E+00
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	58	2.48000E+00	3.83573E+00
75 314 1240	. . .	12	3.11000E+00	9.95200E-01
75 321 1145	. . .	92	3.46000E+00	8.48853E+00
75 328 1035	. . .	79	2.48000E+00	5.22453E+00
75 335 1040	. . .	175	3.46000E+00	1.61467E+01

WEIR 105 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
WINTER 1975		112	1.16420E+02	6.92224E+01
SPRING 1975		94	7.57500E+01	1.61310E+02
SUMMER 1975		63	1.18614E+03	1.08846E+03
FALL 1975		82	1.55480E+02	1.88721E+02
TOTAL 1975		82	1.52386E+03	1.48793E+03

WEIR 106 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	221	4.18000E+01	9.69339E+01
75 027 1340	. . .	.	8.89000E+00	.
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	252	4.23000E+00	1.11853E+01
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	647	3.14000E+01	2.13177E+02
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	318	8.27000E+00	2.75956E+01
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	119	1.09000E+01	1.36107E+01
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	236	2.19000E+00	5.42329E+00
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	132	8.89000E+00	1.23135E+01
75 147 1055	. . .	122	5.09000E+00	6.51605E+00
75 153 1045	. . .	43	5.55000E+00	2.50420E+00
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	130	4.65000E+00	6.34313E+00
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	464	3.11000E+00	1.51421E+01
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	538	1.26000E+02	7.11312E+02
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	204	2.19000E+00	4.68793E+00
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	215	1.07000E+00	2.41396E+00
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	322	1.07000E+00	3.61532E+00
75 244 0930	. . .	421	1.24000E+01	5.47786E+01
75 251 1040	. . .	250	2.78000E+00	7.29276E+00
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	327	1.69000E+00	5.79885E+00
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	746	6.56000E+00	5.13511E+01
75 287 0855	. . .	815	8.27000E+00	7.07246E+01
75 293 0900	. . .	397	1.40000E+01	5.83211E+01
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	410	7.10000E+00	3.05456E+01
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	529	8.89000E+00	4.93474E+01
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
WINTER 1975		221	9.34500E+01	9.69339E+01
SPRING 1975		234	1.55770E+02	2.92326E+02
SUMMER 1975		292	1.89600E+02	8.00797E+02
FALL 1975		487	1.60890E+02	3.28160E+02
TOTAL 1975		342	5.76670E+02	1.46093E+03

WEIR 106 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1055	. . .	437	8.89000E+00	4.07653E+01
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	350	6.05000E+00	2.22193E+01
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	593	7.67000E+00	4.77262E+01
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	633	1.40000E+01	9.29906E+01
76 019 1035	. . .	547	7.10000E+00	4.07524E+01
76 026 1013	. . .	674	7.67000E+00	5.42453E+01
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	775	1.17000E+01	9.51469E+01
76 047 0810	. . .	581	1.17000E+01	7.13295E+01
76 054 0935	. . .	739	1.09000E+01	8.45236E+01
76 061 0925	. . .	562	8.27000E+00	4.87696E+01
76 068 1000	. . .	471	7.67000E+00	3.79073E+01
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	342	8.27000E+00	2.96783E+01
76 089 1015	. . .	397	8.27000E+00	3.44511E+01
76 096 1000	. . .	415	1.17000E+01	5.09496E+01
76 103 0957	. . .	404	6.56000E+00	2.78094E+01
76 110 0955	. . .	288	6.05000E+00	1.82833E+01
76 117 0905	. . .	300	4.65000E+00	1.46380E+01
76 124 0937	. . .	217	6.05000E+00	1.37760E+01
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	253	3.11000E+00	8.25635E+00
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	173	3.11000E+00	5.64565E+00
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	407	1.08000E+01	4.61238E+01
76 173 0950	. . .	247	7.47000E+01	1.93609E+02
76 180 1000	. . .	60	6.94000E+03	4.36936E+03
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	186	6.12000E+01	1.19446E+02
76 201 0925	. . .	226	2.98000E+01	7.06695E+01
76 208 0950	. . .	43	1.23000E+03	5.54984E+02
76 215 0950	. . .	12	3.92000E+02	4.93599E+01
76 222 0930	. . .	461	1.67000E+01	8.07838E+01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	108	1.59000E+01	1.80189E+01
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	129	1.23000E+03	1.66495E+03
76 264 0915	. . .	13	1.23000E+03	1.67786E+02
76 278 0945	. . .	721	1.26000E+00	9.53263E+00
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	87	1.69000E+00	1.54281E+00
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	438	1.09000E+01	5.00965E+01

WEIR 106 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	124	3.11000E+00	4.04659E+00
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	10	1.09000E+01	1.14376E+00
WINTER 1976		589	1.50130E+02	5.98469E+02
SPRING 1976		347	8.81600E+01	2.90165E+02
SUMMER 1976		192	1.04950E+04	5.50800E+03
FALL 1976		217	2.92175E+03	1.89910E+03
TOTAL 1976		345	1.32517E+04	8.24132E+03

WEIR 107 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	192	2.19000E+00	1.49106E+01
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	74	7.47000E+01	1.96021E+02
75 006 1000	. . .	90	7.47000E+01	2.38404E+02
75 013 1600	. . .	121	3.11000E+00	1.33443E+01
75 027 1020	. . .	235	3.46000E+00	2.88333E+01
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	184	2.19000E+00	1.42894E+01
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	563	1.09000E+01	2.17613E+02
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	333	6.05000E+00	7.14415E+01
75 104 .	. . .	296	2.78000E+00	2.91801E+01
75 111 1015	. . .	202	2.78000E+00	1.99135E+01
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	162	5.55000E+00	3.18830E+01
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	241	3.46000E+00	2.95695E+01
75 147 0950	. . .	474	2.78000E+00	4.67277E+01
75 153 0945	. . .	123	2.48000E+00	1.08170E+01
75 160 0940	. . .	185	1.23000E+03	8.06915E+03
75 167 0935	. . .	198	1.07000E+00	7.51277E+00
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	369	7.47000E+01	9.77457E+02
75 188 0910	. . .	266	2.22000E+01	2.09404E+02
75 195 0955	. . .	129	4.02000E+01	1.83894E+02
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	125	1.46000E+00	6.47163E+00
75 216 .	. . .	221	8.99000E+01	7.04535E+02
75 223 1000	. . .	120	8.99000E+01	3.82553E+02
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	170	6.12000E+01	3.68936E+02
75 244 0855	. . .	214	2.19000E+00	1.66191E+01
75 251 0935	. . .	216	1.07000E+00	8.19574E+00
75 258 0935	. . .	169	4.92000E+01	2.94851E+02
75 265 1015	. . .	160	5.19000E+01	2.94468E+02
75 272 0950	. . .	.	.	.
WINTER 1975		142	1.91100E+02	4.91514E+02
SPRING 1975		286	7.23800E+01	4.71435E+02

WEIR 107 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SUMMER 1975		193	1.71413E+03	1.09373E+04
FALL 1975		190	1.04360E+02	6.14134E+02
TOTAL 1975		216	2.07452E+03	1.24870E+04
75 280 0800	. . .	3	.	.
75 287 0800	. . .	522	.	.
75 293 0805	. . .	184	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	275	.	.
75 314 1155	. . .	154	.	.
75 321 0900	. . .	383	.	.
75 328 0950	. . .	232	.	.
WINTER 1975		142	1.91100E+02	4.91514E+02
SPRING 1975		286	7.23800E+01	4.71435E+02
SUMMER 1975		193	1.71413E+03	1.09373E+04
FALL 1975		228	1.04360E+02	6.14134E+02
TOTAL 1975		223	2.07452E+03	1.24870E+04

WEIR 107 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1010	. . .	370	.	.
75 342 0930	. . .	462	.	.
75 349 0945	. . .	210	.	.
75 356 0845	. . .	333	.	.
75 363 0935	. . .	307	.	.
76 005 0800	. . .	448	.	.
76 012 1030	. . .	441	.	.
76 019 0930	. . .	531	.	.
76 026 0915	. . .	561	.	.
76 033 1015	. . .	369	.	.
76 040 1015	. . .	501	.	.
76 047 1215	. . .	496	.	.
76 054 0850	. . .	488	.	.
76 061 0845	. . .	469	.	.
76 068 0915	. . .	385	.	.
76 075 0915	. . .	299	.	.
76 082 0915	. . .	350	.	.
76 089 0915	. . .	329	.	.
76 096 0900	. . .	300	.	.
76 103 0910	. . .	282	.	.
76 110 0905	. . .	284	.	.
76 117 0830	. . .	262	.	.
76 124 0845	. . .	181	.	.
76 131 0800	. . .	207	.	.
76 138 0810	. . .	485	.	.
76 145 0815	. . .	311	.	.
76 153 1630	. . .	236	.	.
76 159 0810	. . .	304	8.99000E+01	9.69135E+02
76 166 0750	. . .	307	4.92000E+01	5.35617E+02
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	552	3.88000E+01	7.59489E+02
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	310	4.92000E+01	5.40851E+02
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	78	1.08000E+01	2.98723E+01
76 222 0820	. . .	307	2.78000E+00	3.02645E+01
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	146	2.24000E+01	1.15972E+02
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	224	7.47000E+01	5.93362E+02
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	6	8.99000E+01	1.91277E+01
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	108	2.78000E+00	1.06468E+01
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	49	1.07000E+00	1.85922E+00

WEIR 107 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	10	4.92000E+01	1.74468E+01
WINTER 1976		428	.	.
SPRING 1976		313	.	.
SUMMER 1976		280	6.43170E+02	2.98120E+03
FALL 1976		79	5.45150E+02	6.42442E+02
TOTAL 1976		315	9.61320E+02	3.62364E+03

WEIR 108 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	239	1.02000E+01	1.62088E+01
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	50	4.23000E+00	1.40625E+00
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	116	4.68000E+01	3.60957E+01
75 027 1240	. . .	218	1.24000E+01	1.79734E+01
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	188	8.89000E+00	1.11125E+01
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	479	3.56000E+01	1.13380E+02
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	167	1.58000E+01	1.75439E+01
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	38	1.24000E+01	3.13298E+00
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	59	3.14000E+01	1.23178E+01
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	73	1.57000E+01	7.62035E+00
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	104	1.17000E+01	8.09043E+00
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	212	5.55000E+00	7.82314E+00
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	168	1.69000E+00	1.88777E+00
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	360	1.08000E+02	2.58511E+02
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	102	7.10000E+00	4.81516E+00
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	122	2.78000E+00	2.25505E+00
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	148	1.69000E+00	1.66303E+00
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	142	7.10000E+00	6.70346E+00
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	154	3.11000E+00	3.18444E+00
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	344	1.40000E+01	3.20213E+01
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	171	2.51000E+01	2.85379E+01
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	172	1.49000E+01	1.70399E+01

WEIR 108 1975 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	350	1.67000E+01	3.88630E+01
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		156	4.77290E+02	7.16842E+01
SPRING 1975		158	2.50990E+02	1.73198E+02
SUMMER 1975		174	3.08370E+02	2.85045E+02
FALL 1975		222	1.99980E+02	1.26350E+02
TOTAL 1975		182	1.19413E+03	6.48187E+02

WEIR 108 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1520	. . .	272	1.86000E+01	3.36383E+01
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	235	1.24000E+01	1.93750E+01
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	543	1.40000E+01	5.05452E+01
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	650	3.28000E+01	1.41755E+02
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	691	4.34000E+01	1.99398E+02
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	881	2.63000E+01	1.54058E+02
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	689	2.06000E+01	9.43710E+01
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	440	1.49000E+01	4.35904E+01
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	389	1.58000E+01	4.08657E+01
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	346	1.86000E+01	4.27899E+01
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	397	1.17000E+01	3.08836E+01
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	399	1.02000E+01	2.70598E+01
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	346	8.89000E+00	2.04517E+01
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	268	6.05000E+00	1.07806E+01
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	266	1.59000E+01	2.81210E+01
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	191	1.93000E+00	2.45100E+00
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	271	2.51000E+01	4.52267E+01
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	79	3.83000E+00	2.01177E+00
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	47	3.46000E+00	1.08125E+00
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	137	1.58000E+01	1.43923E+01
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	26	7.10000E+00	1.22739E+00
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	19	2.06000E+01	2.60239E+00
WINTER 1976		566	3.78300E+02	6.93140E+02

WEIR 108 1976 NITRATE+NITRITE
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SPRING 1976		369	1.70440E+02	2.16422E+02
SUMMER 1976		249	4.91690E+02	8.65793E+01
FALL 1976		62	4.98270E+02	2.13151E+01
TOTAL 1976		345	1.12395E+03	1.00668E+03

WEIR 101 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	100	2.51000E+01	1.11111E+01
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	70	7.10000E+00	2.20009E+00
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	16	4.51000E+01	3.19433E+00
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	32	2.28000E+01	3.22975E+00
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	45	1.32000E+01	2.62948E+00
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	97	6.17000E+01	2.64936E+01
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	37	2.39000E+01	3.91456E+00
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	16	1.86000E+01	1.31740E+00
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	38	5.03000E+01	8.46127E+00
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	65	2.28000E+01	6.56042E+00
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	62	1.76000E+01	4.83046E+00
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	89	5.55000E+00	2.18659E+00
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	46	2.78000E+00	5.66091E-01
75 188 1045	. . .	.	1.93000E+00	.
75 195 1220	. . .	122	3.05000E+02	1.64719E+02
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	68	7.10000E+00	2.13723E+00
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	89	5.09000E+00	2.00536E+00
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	86	5.09000E+00	1.93776E+00
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	31	1.24000E+01	1.70164E+00
75 258 1145	. . .	.	4.23000E+00	.
75 265 1150	. . .	63	7.10000E+00	1.98008E+00
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	60	1.86000E+01	4.94024E+00
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	37	3.56000E+01	5.83090E+00

WEIR 101 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	54	1.86000E+01	4.44622E+00
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	27	2.39000E+01	2.85657E+00
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		54	4.42320E+02	1.97353E+01
SPRING 1975		51	4.32100E+02	5.42072E+01
SUMMER 1975		80	4.93770E+02	1.78382E+02
FALL 1975		45	2.96730E+02	2.17556E+01
TOTAL 1975		59	1.59062E+03	2.69250E+02

WEIR 101 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1145	. . .	93	2.28000E+01	9.38645E+00
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	48	1.67000E+01	3.54847E+00
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	84	2.17000E+01	8.06906E+00
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	58	4.02000E+01	1.03214E+01
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	88	3.14000E+01	1.22320E+01
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	47	3.28000E+01	6.82426E+00
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	59	3.28000E+01	8.56662E+00
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	44	1.96000E+01	3.81762E+00
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	47	2.28000E+01	4.74369E+00
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	29	3.28000E+01	4.21071E+00
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	42	1.67000E+01	3.10491E+00
76 117 0950	. . .	.	1.24000E+01	.
76 124 1017	. . .	186	2.06000E+01	1.69615E+01
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	137	8.27000E+00	5.01545E+00
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	46	1.09000E+01	2.21957E+00
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	183	1.07000E+00	8.66799E-01
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	136	3.88000E+01	2.33590E+01
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	127	2.19000E+00	1.23121E+00
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	246	7.24000E+01	7.88420E+01
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	125	1.69000E+00	9.35148E-01
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	130	1.07000E+00	6.15759E-01
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	58	1.32000E+01	3.38911E+00
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	34	7.67000E+00	1.15440E+00

WEIR 101 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	23	1.32000E+01	1.34396E+00
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	.	2.88000E+01	.
WINTER 1976		68	4.43800E+02	5.89482E+01
SPRING 1976		76	2.50000E+02	4.00734E+01
SUMMER 1976		144	2.74760E+02	1.07454E+02
FALL 1976		61	3.91940E+02	6.50323E+00
TOTAL 1976		90	1.25320E+03	2.10759E+02

WEIR 102 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1055	. . .	.	2.51000E+01	.
74 343 1105	. . .	43	1.96000E+01	4.39416E+00
74 350 1215	. . .	.	2.23000E+02	.
74 364 1015	. . .	23	9.54000E+00	1.14400E+00
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	1	3.14000E+01	1.63712E-01
75 027 1135	. . .	18	2.06000E+01	1.93326E+00
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	14	1.02000E+01	7.44526E-01
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	43	6.59000E+01	1.47742E+01
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	19	1.67000E+01	1.65433E+00
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	12	1.32000E+01	8.25860E-01
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	90	4.51000E+01	2.11627E+01
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	48	2.06000E+01	5.15537E+00
75 147 1150	. . .	.	1.02000E+01	.
75 153 1400	. . .	46	1.02000E+01	2.44630E+00
75 160 1210	. . .	.	3.83000E+00	.
75 167 1130	. . .	109	3.11000E+00	1.76741E+00
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	56	1.69000E+00	4.93431E-01
75 195 1240	. . .	97	3.73000E+02	1.88639E+02
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	40	4.65000E+00	9.69760E-01
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	41	2.48000E+00	5.30136E-01
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	50	2.78000E+00	7.24713E-01
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	46	8.27000E+00	1.98342E+00
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	44	4.65000E+00	1.06674E+00
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	32	1.24000E+01	2.06882E+00
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	26	2.51000E+01	3.40250E+00
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	58	1.32000E+01	3.99166E+00
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 321 .0940	. . .	.	1.96000E+01	.
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		21	4.24830E+02	7.63514E+00
SPRING 1975		39	3.61200E+02	4.67633E+01
SUMMER 1975		63	5.06210E+02	1.95571E+02
FALL 1975		41	2.11800E+02	1.25131E+01
TOTAL 1975		43	1.44724E+03	2.60036E+02

WEIR 102 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1200	. . .	57	1.86000E+01	5.52763E+00
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	32	1.32000E+01	2.20229E+00
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	53	1.76000E+01	4.86340E+00
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	42	3.86000E+01	8.45255E+00
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	88	2.88000E+01	1.32138E+01
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	45	2.51000E+01	5.88895E+00
76 047 0915	. . .	.	2.39000E+01	.
76 054 1055	. . .	52	2.63000E+01	7.13034E+00
76 061 1040	. . .	.	1.76000E+01	.
76 068 1100	. . .	92	1.49000E+01	7.14703E+00
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	46	1.96000E+01	4.70073E+00
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	15	2.75000E+01	2.15068E+00
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	61	1.32000E+01	4.19812E+00
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	61	1.49000E+01	4.73879E+00
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	200	7.67000E+00	7.99791E+00
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	50	7.67000E+00	1.99948E+00
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	128	4.92000E+01	3.28342E+01
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	28	7.47000E+01	1.09051E+01
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	81	1.67000E+01	7.05266E+00
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	80	3.88000E+01	1.61835E+01
76 278 1105	. . .	61	8.89000E+00	2.82737E+00
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	28	5.55000E+00	8.10219E-01
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	17	2.88000E+01	2.55266E+00
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	17	9.54000E+00	8.45568E-01
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	.	2.39000E+01	.
WINTER 1976		53	3.55800E+02	4.72789E+01

WEIR 102 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SPRING 1976		75	2.04520E+02	3.29327E+01
SUMMER 1976		72	2.39820E+02	5.27914E+01
FALL 1976		41	2.36650E+02	2.32193E+01
TOTAL 1976		61	1.01152E+03	1.54223E+02

WEIR 103 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	21	8.89000E+00	7.36159E-01
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	25	4.65000E+00	4.58399E-01
75 006 1200	. . .	.	4.23000E+00	.
75 013 1200	. . .	31	4.51000E+01	5.51301E+00
75 027 1155	. . .	30	1.76000E+01	2.08202E+00
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	18	1.24000E+01	8.80126E-01
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	27	7.93000E+01	8.44282E+00
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	21	2.75000E+01	2.27721E+00
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	9	1.96000E+01	6.95584E-01
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	23	5.39000E+01	4.88841E+00
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	28	2.63000E+01	2.90379E+00
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	61	1.58000E+01	3.80047E+00
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	121	3.28000E+01	1.56498E+01
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	69	2.78000E+00	7.56388E-01
75 195 1600	. . .	75	2.02000E+02	5.97397E+01
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	32	6.56000E+00	8.27760E-01
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	41	2.48000E+00	4.00946E-01
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	8	2.48000E+00	7.82334E-02
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	89	4.65000E+00	1.63190E+00
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	3	1.67000E+01	1.71215E-01
75 287 1235	. . .	4	2.06000E+01	3.24921E-01
75 293 1215	. . .	2	2.75000E+01	2.16877E-01
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	40	1.96000E+01	3.09148E+00
75 314 1605	. . .	.	2.39000E+01	.

WEIR 103 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 322 1315	. . .	33	2.51000E+01	3.26617E+00
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		27	3.57570E+02	8.78959E+00
SPRING 1975		27	4.57200E+02	2.38884E+01
SUMMER 1975		66	3.67110E+02	8.11752E+01
FALL 1975		26	2.55990E+02	8.78080E+00
TOTAL 1975		35	1.38297E+03	1.18833E+02

WEIR 103 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1555	. . .	64	2.51000E+01	6.33438E+00
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	36	2.06000E+01	2.92429E+00
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	55	2.39000E+01	5.18336E+00
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	49	4.68000E+01	9.04259E+00
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	106	6.59000E+01	2.75450E+01
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	49	4.18000E+01	8.07650E+00
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	38	3.56000E+01	5.33438E+00
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	26	2.51000E+01	2.57334E+00
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	57	3.14000E+01	7.05757E+00
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	26	3.86000E+01	3.95741E+00
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	67	2.28000E+01	6.02366E+00
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	60	2.06000E+01	4.87382E+00
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	134	1.24000E+01	6.55205E+00
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	37	1.32000E+01	1.92587E+00
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	33	8.99000E+01	1.16983E+01
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	18	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	131	2.51000E+01	1.29657E+01
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	25	7.67000E+00	7.56112E-01
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	25	6.05000E+00	5.96412E-01
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	17	3.01000E+01	2.01774E+00
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	13	1.24000E+01	6.35647E-01
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	.	3.01000E+01	.
WINTER 1976		57	5.24900E+02	6.44405E+01
SPRING 1976		58	3.20530E+02	3.29637E+01

WEIR 103 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SUMMER 1976		55	1.47850E+02	2.65899E+01
FALL 1976		20	1.88000E+02	4.00591E+00
TOTAL 1976		51	1.13798E+03	1.26074E+02

WEIR 105 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	26	2.17000E+01	1.50453E+01
75 027 1320	. . .	7	3.83000E+00	7.14933E-01
75 034 1035	. . .	.	2.48000E+00	.
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	23	2.19000E+00	1.34320E+00
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	26	1.76000E+01	1.22027E+01
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	15	3.46000E+00	1.38400E+00
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	16	2.48000E+00	1.05813E+00
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	29	8.89000E+00	6.87493E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	21	3.83000E+00	2.14480E+00
75 147 1035	. . .	.	1.93000E+00	.
75 153 1030	. . .	55	2.19000E+00	3.21200E+00
75 160 1030	. . .	.	4.92000E+01	.
75 167 1010	. . .	123	3.88000E+01	1.27264E+02
75 174 1040	. . .	.	1.91000E+02	.
75 181 .	. . .	69	3.92000E+02	7.21280E+02
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	75	6.18000E+01	1.23600E+02
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	28	8.99000E+01	6.71253E+01
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	16	2.98000E+01	1.27147E+01
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	57	4.92000E+01	7.47840E+01
75 244 0940	. . .	.	5.55000E+00	.
75 251 1015	. . .	8	1.07000E+00	2.28267E-01
75 258 1045	. . .	.	6.12000E+01	.
75 265 1040	. . .	44	4.92000E+01	5.77280E+01
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	45	2.48000E+00	2.97600E+00
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	52	7.67000E+00	1.06357E+01
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	35	2.48000E+00	2.31467E+00
75 314 1240	. . .	.	3.11000E+00	.
75 321 1145	. . .	15	3.46000E+00	1.38400E+00
75 328 1035	. . .	.	2.48000E+00	.

WEIR 105 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
WINTER 1975		16	1.16420E+02	1.57603E+01
SPRING 1975		26	7.57500E+01	2.82197E+01
SUMMER 1975		60	1.18614E+03	1.12998E+03
FALL 1975		33	1.52020E+02	7.52667E+01
TOTAL 1975		37	1.52040E+03	1.24601E+03

WEIR 105 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1040	. . .	46	3.46000E+00	4.24427E+00
75 342 1000	. . .	.	1.93000E+00	.
75 349 1010	. . .	44	1.93000E+00	2.26453E+00
75 356 0915	. . .	.	1.26000E+00	.
75 363 1010	. . .	80	3.11000E+00	6.63467E+00
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	26	7.10000E+00	4.92267E+00
76 019 1030	. . .	.	2.19000E+00	.
76 026 1255	. . .	88	8.89000E+00	2.08619E+01
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	32	5.09000E+00	4.34347E+00
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	40	4.65000E+00	4.96000E+00
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	59	2.78000E+00	4.37387E+00
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	54	3.46000E+00	4.98240E+00
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	28	5.09000E+00	3.80053E+00
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	55	2.48000E+00	3.63733E+00
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	74	2.19000E+00	4.32160E+00
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	144	8.99000E+01	3.45216E+02
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	56	8.99000E+01	1.34251E+02
76 199 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	232	1.91000E+02	1.18165E+03
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	160	1.91000E+02	8.14933E+02
76 188 0830	. . .	.	6.94000E+03	.
76 194 0855	. . .	161	1.08000E+01	4.63680E+01
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	282	6.94000E+03	5.21888E+04
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	117	7.67000E+00	2.39304E+01
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	147	1.91000E+02	7.48720E+02
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	328	6.94000E+03	6.07019E+04
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	100	1.91000E+02	5.09333E+02
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 278 0924	. . .	42	8.99000E+01	1.00688E+02
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	38	8.99000E+01	9.10987E+01
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	10	6.56000E+00	1.74933E+00
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	10	1.69000E+00	4.50667E-01
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	.	4.65000E+00	.
WINTER 1976		51	7.11900E+01	4.82315E+01
SPRING 1976		67	3.25770E+02	5.00582E+02
SUMMER 1976		165	1.51813E+04	5.51387E+04
FALL 1976		88	2.14178E+04	6.14052E+04
TOTAL 1976		94	3.67118E+04	1.16958E+05

WEIR 106 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	97	4.18000E+01	4.25456E+01
75 027 1340	. . .	14	8.89000E+00	1.30598E+00
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	23	4.23000E+00	1.02088E+00
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	36	3.14000E+01	1.18615E+01
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	35	8.27000E+00	3.03725E+00
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	16	1.09000E+01	1.83001E+00
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	6	2.19000E+00	1.37880E-01
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	119	8.89000E+00	1.11008E+01
75 147 1055	. . .	.	5.09000E+00	.
75 153 1045	. . .	71	5.55000E+00	4.13484E+00
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	68	4.65000E+00	3.31794E+00
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	79	3.11000E+00	2.57807E+00
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	143	1.26000E+02	1.89066E+02
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	68	2.19000E+00	1.56264E+00
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	129	1.07000E+00	1.44837E+00
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	93	1.07000E+00	1.04418E+00
75 244 0930	. . .	.	1.24000E+01	.
75 251 1040	. . .	161	2.78000E+00	4.69654E+00
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	63	1.69000E+00	1.11721E+00
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	49	6.56000E+00	3.37293E+00
75 287 0855	. . .	5	8.27000E+00	4.33893E-01
75 293 0900	. . .	39	1.40000E+01	5.72928E+00
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	50	7.10000E+00	3.72508E+00
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	22	8.89000E+00	2.05226E+00
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
WINTER 1975		55	9.34500E+01	4.38516E+01
SPRING 1975		44	1.55770E+02	3.31232E+01
SUMMER 1975		93	1.89600E+02	2.03152E+02
FALL 1975		56	1.60890E+02	2.11272E+01
TOTAL 1975		63	5.76670E+02	2.97119E+02

WEIR 106 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1055	. . .	54	8.89000E+00	5.03736E+00
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	22	6.05000E+00	1.39664E+00
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	45	7.67000E+00	3.62172E+00
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	56	1.40000E+01	8.22665E+00
76 019 1035	. . .	.	7.10000E+00	.
76 026 1013	. . .	88	7.67000E+00	7.08248E+00
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	60	1.17000E+01	7.36621E+00
76 047 0810	. . .	.	1.17000E+01	.
76 054 0935	. . .	49	1.09000E+01	5.60441E+00
76 061 0925	. . .	.	8.27000E+00	.
76 068 1000	. . .	18	7.67000E+00	1.44869E+00
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	49	8.27000E+00	4.25215E+00
76 089 1015	. . .	.	8.27000E+00	.
76 096 1000	. . .	28	1.17000E+01	3.43757E+00
76 103 0957	. . .	.	6.56000E+00	.
76 110 0955	. . .	45	6.05000E+00	2.85677E+00
76 117 0905	. . .	.	4.65000E+00	.
76 124 0937	. . .	77	6.05000E+00	4.88825E+00
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	172	3.11000E+00	5.61301E+00
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	94	3.11000E+00	3.06758E+00
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	8	1.08000E+01	9.06611E-01
76 173 0950	. . .	.	7.47000E+01	.
76 180 1000	. . .	103	6.94000E+03	7.50073E+03
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	115	6.12000E+01	7.38510E+01
76 201 0925	. . .	.	2.98000E+01	.
76 208 0950	. . .	456	1.23000E+03	5.88541E+03
76 215 0950	. . .	.	3.92000E+02	.
76 222 0930	. . .	66	1.67000E+01	1.15656E+01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	125	1.59000E+01	2.08552E+01
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	569	1.23000E+03	7.34386E+03
76 264 0915	. . .	.	1.23000E+03	.
76 278 0945	. . .	54	1.26000E+00	7.13956E-01
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	72	1.69000E+00	1.27681E+00
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	33	1.09000E+01	3.77440E+00

WEIR 106 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	30	3.11000E+00	9.79014E-01
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	.	1.09000E+01	.
WINTER 1976		53	1.50130E+02	3.83355E+01
SPRING 1976		69	8.81600E+01	2.55640E+01
SUMMER 1976		138	1.04950E+04	1.34964E+04
FALL 1976		152	2.92175E+03	7.35061E+03
TOTAL 1976		100	1.32517E+04	2.09078E+04

WEIR 107 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	55	2.19000E+00	4.27128E+00
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	26	7.47000E+01	6.88723E+01
75 006 1000	. . .	.	7.47000E+01	.
75 013 1600	. . .	29	3.11000E+00	3.19823E+00
75 027 1020	. . .	18	3.46000E+00	2.20851E+00
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	23	2.19000E+00	1.78617E+00
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	76	1.09000E+01	2.93759E+01
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	21	6.05000E+00	4.50532E+00
75 104 .	. . .	.	2.78000E+00	.
75 111 1015	. . .	20	2.78000E+00	1.97163E+00
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	44	5.55000E+00	8.65957E+00
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	21	3.46000E+00	2.57660E+00
75 147 0950	. . .	.	2.78000E+00	.
75 153 0945	. . .	53	2.48000E+00	4.66099E+00
75 160 0940	. . .	.	1.23000E+03	.
75 167 0935	. . .	112	1.07000E+00	4.24965E+00
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	84	7.47000E+01	2.22511E+02
75 188 0910	. . .	.	2.22000E+01	.
75 195 0955	. . .	107	4.02000E+01	1.52532E+02
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	36	1.46000E+00	1.86383E+00
75 216 .	. . .	.	8.99000E+01	.
75 223 1000	. . .	20	8.99000E+01	6.37589E+01
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	0	6.12000E+01	0.00000E+00
75 244 0855	. . .	.	2.19000E+00	.
75 251 0935	. . .	38	1.07000E+00	1.44184E+00
75 258 0935	. . .	.	4.92000E+01	.
75 265 1015	. . .	19	5.19000E+01	3.49681E+01
75 272 0950	. . .	.	.	.
WINTER 1975		32	1.91100E+02	7.85504E+01
SPRING 1975		37	7.23800E+01	5.35362E+01

WEIR 107 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SUMMER 1975		59	1.71413E+03	4.49576E+02
FALL 1975		28	1.04360E+02	3.64099E+01
TOTAL 1975		42	2.07452E+03	6.13411E+02
75 280 0800	. . .	40	.	.
75 287 0800	. . .	5	.	.
75 293 0805	. . .	0	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	65	.	.
75 314 1155	. . .	.	.	.
75 321 0900	. . .	13	.	.
75 328 0950	. . .	.	.	.
WINTER 1975		32	1.91100E+02	7.85504E+01
SPRING 1975		37	7.23800E+01	5.35362E+01
SUMMER 1975		59	1.71413E+03	4.49576E+02
FALL 1975		26	1.04360E+02	3.64099E+01
TOTAL 1975		39	2.07452E+03	6.13411E+02

WEIR 107 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1010	. . .	74	.	.
75 342 0930	. . .	.	.	.
75 349 0945	. . .	59	.	.
75 356 0845	. . .	.	.	.
75 363 0935	. . .	65	.	.
76 005 0800	. . .	.	.	.
76 012 1030	. . .	26	.	.
76 019 0930	. . .	.	.	.
76 026 0915	. . .	56	.	.
76 033 1015	. . .	.	.	.
76 040 1015	. . .	37	.	.
76 047 1215	. . .	.	.	.
76 054 0850	. . .	39	.	.
76 061 0845	. . .	.	.	.
76 068 0915	. . .	34	.	.
76 075 0915	. . .	.	.	.
76 082 0915	. . .	37	.	.
76 089 0915	. . .	.	.	.
76 096 0900	. . .	30	.	.
76 103 0910	. . .	.	.	.
76 110 0905	. . .	49	.	.
76 117 0830	. . .	.	.	.
76 124 0845	. . .	29	.	.
76 131 0800	. . .	.	.	.
76 138 0810	. . .	58	.	.
76 145 0815	. . .	.	.	.
76 153 1630	. . .	.	.	.
76 159 0810	. . .	200	8.99000E+01	6.37589E+02
76 166 0750	. . .	35	4.92000E+01	6.10638E+01
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	27	3.88000E+01	3.71489E+01
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	73	4.92000E+01	1.27362E+02
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	38	1.08000E+01	1.45532E+01
76 222 0820	. . .	76	2.78000E+00	7.49220E+00
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	12	2.24000E+01	9.53191E+00
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	22	7.47000E+01	5.82766E+01
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	36	8.99000E+01	1.14766E+02
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	40	2.78000E+00	3.94326E+00
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	19	1.07000E+00	7.20922E-01

WEIR 107 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	.	4.92000E+01	.
WINTER 1976		51	.	.
SPRING 1976		39	.	.
SUMMER 1976		66	6.43170E+02	8.94740E+02
FALL 1976		29	5.45150E+02	1.77707E+02
TOTAL 1976		49	9.61320E+02	1.07245E+03

WEIR 108 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	53	1.02000E+01	3.59441E+00
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	15	4.23000E+00	4.21875E-01
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	8	4.68000E+01	2.48936E+00
75 027 1240	. . .	12	1.24000E+01	9.89362E-01
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	14	8.89000E+00	8.27527E-01
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	64	3.56000E+01	1.51489E+01
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	13	1.58000E+01	1.36569E+00
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	17	1.24000E+01	1.40160E+00
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	29	3.14000E+01	6.05452E+00
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	77	1.57000E+01	8.03790E+00
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	81	1.17000E+01	6.30120E+00
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	22	5.55000E+00	8.11835E-01
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	47	1.69000E+00	5.28125E-01
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	102	1.08000E+02	7.32447E+01
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	36	7.10000E+00	1.69947E+00
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	65	2.78000E+00	1.20146E+00
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	79	1.69000E+00	8.87699E-01
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	8	7.10000E+00	3.77660E-01
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	63	3.11000E+00	1.30273E+00
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	45	1.40000E+01	4.18883E+00
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	19	2.51000E+01	3.17088E+00
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	92	1.49000E+01	9.11436E+00

WEIR 108 1975 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	66	1.67000E+01	7.32846E+00
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		22	4.77290E+02	7.49501E+00
SPRING 1975		42	2.50990E+02	3.91374E+01
SUMMER 1975		62	3.08370E+02	8.46745E+01
FALL 1975		49	1.99980E+02	2.54829E+01
TOTAL 1975		45	1.19413E+03	1.50489E+02

WEIR 1081976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
75 335 1520	. . .	87	1.86000E+01	1.07593E+01
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	18	1.24000E+01	1.48404E+00
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	90	1.40000E+01	8.37766E+00
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	65	3.28000E+01	1.41755E+01
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	159	4.34000E+01	4.58816E+01
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	42	2.63000E+01	7.34441E+00
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	114	2.06000E+01	1.56144E+01
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	56	1.49000E+01	5.54787E+00
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	63	1.58000E+01	6.61835E+00
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	65	1.86000E+01	8.03856E+00
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	80	1.17000E+01	6.22340E+00
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	76	1.02000E+01	5.15426E+00
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	122	8.89000E+00	7.21130E+00
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	107	6.05000E+00	4.30419E+00
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	23	1.59000E+01	2.43152E+00
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	26	1.93000E+00	3.33644E-01
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	90	2.51000E+01	1.50199E+01
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	19	3.83000E+00	4.83843E-01
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	20	3.46000E+00	4.60106E-01
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	41	1.58000E+01	4.30718E+00
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	14	7.10000E+00	6.60904E-01
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	.	2.06000E+01	.
WINTER 1976		82	3.78300E+02	1.03637E+02

WEIR 108 1976 AMMONIA
SPOT SAMPLES

FROM	TO	CONCENTRATION (UG/L)	FLOW RATE (L/SEC)	AREA YIELD (UG/HA-SEC)
SPRING 1976		81	1.70440E+02	4.30979E+01
SUMMER 1976		61	4.91690E+02	2.20893E+01
FALL 1976		23	4.98270E+02	5.91203E+00
TOTAL 1976		66	1.12395E+03	1.70432E+02

WEIR 101 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM			TO			CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74	336	1030	.	.	.	.	2.39000E+01	.
74	343	1045	.	.	.	502	2.51000E+01	5.57778E+01
74	350	1130	.	.	.	.	1.42000E+02	.
74	357	1000	.	.	.	.	8.27000E+00	.
74	364	0925	.	.	.	335	7.10000E+00	1.05290E+01
75	006	1115	.	.	.	.	6.05000E+00	.
75	013	1100	.	.	.	560	4.51000E+01	1.11802E+02
75	020	1000	.	.	.	.	5.97000E+01	.
75	027	1105	.	.	.	153	2.28000E+01	1.54422E+01
75	034	1145	.	.	.	.	1.76000E+01	.
75	041	1240	.	.	.	.	2.06000E+01	.
75	049	1340	.	.	.	.	2.17000E+01	.
75	055	1205	.	.	.	.	2.75000E+01	.
75	062	1225	.	.	.	.	1.49000E+01	.
75	069	1210	.	.	.	305	1.32000E+01	1.78220E+01
75	076	1320	.	.	.	.	7.70000E+01	.
75	083	1340	.	.	.	705	6.17000E+01	1.92556E+02
75	090	1245	.	.	.	.	4.85000E+01	.
75	097	1215	.	.	.	422	2.39000E+01	4.46472E+01
75	104	1210	.	.	.	.	1.96000E+01	.
75	111	1205	.	.	.	58	1.86000E+01	4.77556E+00
75	118	1205	.	.	.	.	2.63000E+01	.
75	125	1305	.	.	.	203	5.03000E+01	4.52010E+01
75	132	1135	.	.	.	.	2.28000E+01	.
75	139	1150	.	.	.	538	2.28000E+01	5.43001E+01
75	147	1130	.	.	.	.	1.49000E+01	.
75	153	1355	.	.	.	705	1.76000E+01	5.49270E+01
75	160	1150	.	.	.	.	6.56000E+00	.
75	167	.	.	.	.	785	5.55000E+00	1.92862E+01
75	174	1125	.	.	.	.	3.46000E+00	.
75	181	.	.	.	.	921	2.78000E+00	1.13341E+01
75	188	1045	.	.	.	7170	1.93000E+00	6.12576E+01
75	195	1220	.	.	.	1050	3.05000E+02	1.41766E+03
75	202	1140	.	.	.	.	6.59000E+01	.
75	209	1205	.	.	.	388	7.10000E+00	1.21948E+01
75	216	1100	.	.	.	.	3.11000E+00	.
75	223	1130	.	.	.	457	5.09000E+00	1.02972E+01
75	230	1200	.	.	.	.	2.28000E+01	.
75	237	1105	.	.	.	471	5.09000E+00	1.06126E+01
75	244	1020	.	.	.	.	4.18000E+01	.
75	251	1130	.	.	.	385	1.24000E+01	2.11332E+01
75	258	1145	.	.	.	400	4.23000E+00	7.49004E+00
75	265	1150	.	.	.	503	7.10000E+00	1.58092E+01
75	272	1200	.	.	.	.	4.02000E+01	.
75	280	0925	.	.	.	314	1.86000E+01	2.58539E+01
75	287	0920	.	.	.	.	2.63000E+01	.
75	293	0950	.	.	.	400	3.56000E+01	6.30367E+01

WEIR 101 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	373	1.86000E+01	3.07118E+01
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	296	2.39000E+01	3.13165E+01
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		387	4.42320E+02	1.93551E+02
SPRING 1975		419	4.32100E+02	4.14229E+02
SUMMER 1975		1493	4.93770E+02	1.59757E+03
FALL 1975		382	2.96730E+02	1.95351E+02
TOTAL 1975		736	1.59062E+03	2.34578E+03

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                          WEIR 101 1976 ORGANIC NITROGEN
                                  SPOT SAMPLES

     FROM          TO         CONCENTRATION      FLOW RATE      AREA YIELD
                                 (MG/L)           (L/SEC)       (MG/HA-SEC)
  ----------   ----------    ------------     ----------     ----------
  75 335 1145   .    .    .       277         2.28000E+01    2.79575E+01
  75 342 1050   .    .    .        .          1.67000E+01     .
  75 349 1145   .    .    .       438         1.67000E+01    3.23798E+01
  75 356 1000   .    .    .        .          1.32000E+01     .
  75 363 1110   .    .    .       343         2.17000E+01    3.29486E+01
  76 005 1130   .    .    .        .          4.51000E+01     .
  76 012 1100   .    .    .       231         4.02000E+01    4.11076E+01
  76 019 1205   .    .    .        .          2.17000E+01     .
  76 026 1050   .    .    .       486         3.14000E+01    6.75538E+01
  76 033 1205   .    .    .        .          9.69000E+01     .
  76 040 1038   .    .    .       267         3.28000E+01    3.87676E+01
  76 047 0900   .    .    .        .          3.01000E+01     .
  76 054 1020   .    .    .       550         3.28000E+01    7.98583E+01
  76 061 1000   .    .    .        .          2.17000E+01     .
  76 068 1040   .    .    .       226         1.96000E+01    1.96087E+01
  76 075 1058   .    .    .        .          3.01000E+01     .
  76 082 1050   .    .    .       400         2.28000E+01    4.03718E+01
  76 089 1050   .    .    .        .          2.28000E+01     .
  76 096 1045   .    .    .       407         3.28000E+01    5.90952E+01
  76 103 1033   .    .    .        .          1.96000E+01     .
  76 110 1040   .    .    .       480         1.67000E+01    3.54847E+01
  76 117 0950   .    .    .       431         1.24000E+01    2.36583E+01
  76 124 1017   .    .    .       615         2.06000E+01    5.60823E+01
  76 131 0945   .    .    .        .          8.27000E+00     .
  76 138 0945   .    .    .       512         8.27000E+00    1.87439E+01
  76 145 0945   .    .    .        .          3.46000E+00     .
  76 153 0955   .    .    .       548         1.09000E+01    2.64418E+01
  76 159 1015   .    .    .        .          3.11000E+00     .
  76 166 0947   .    .    .       657         1.07000E+00    3.11195E+00
  76 173 1020   .    .    .        .          3.11000E+00     .
  76 180 1045   .    .    .      1050         3.88000E+01    1.80345E+02
  76 188 0950   .    .    .        .          1.59000E+01     .
  76 188 0950   .    .    .        .           .              .
  76 188 0950   .    .    .        .          0.00000E+00     .
  76 188 0950   .    .    .        .           .              .
  76 194 0950   .    .    .       768         2.19000E+00    7.44542E+00
  76 201 0950   .    .    .        .          2.19000E+00     .
  76 215 1100   .    .    .        .          1.59000E+01     .
  76 222 1012   .    .    .       940         7.24000E+01    3.01266E+02
  76 229 1040   .    .    .        .          3.28000E+01     .
  76 236 1010   .    .    .       761         1.69000E+00    5.69318E+00
  76 243 1015   .    .    .        .          7.47000E+01     .
  76 264 1000   .    .    .       400         1.07000E+00    1.89464E+00
  76 271 1020   .    .    .        .          8.99000E+01     .
  76 278 1040   .    .    .       454         1.32000E+01    2.65286E+01
  76 286 1110   .    .    .        .          1.24000E+01     .
  76 292 1040   .    .    .       291         7.67000E+00    9.88035E+00
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WEIR 101 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	184	1.32000E+01	1.07517E+01
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	425	2.88000E+01	5.41833E+01
WINTER 1976		370	4.43800E+02	3.20573E+02
SPRING 1976		452	2.50000E+02	2.79487E+02
SUMMER 1976		787	2.74760E+02	5.24304E+02
FALL 1976		351	3.91940E+02	1.03238E+02
TOTAL 1976		486	1.25320E+03	1.20116E+03

WEIR 102 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1055	. . .	764	2.51000E+01	9.99812E+01
74 343 1105	. . .	240	1.96000E+01	2.45255E+01
74 350 1215	. . .	931	2.23000E+02	1.08245E+03
74 364 1015	. . .	95	9.54000E+00	4.72523E+00
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	320	3.14000E+01	5.23879E+01
75 027 1135	. . .	167	2.06000E+01	1.79364E+01
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	145	1.02000E+01	7.71116E+00
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	349	6.59000E+01	1.19912E+02
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	393	1.67000E+01	3.42185E+01
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	36	1.32000E+01	2.47758E+00
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	290	4.51000E+01	6.81908E+01
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	429	2.06000E+01	4.60761E+01
75 147 1150	. . .	.	1.02000E+01	.
75 153 1400	. . .	669	1.02000E+01	3.55777E+01
75 160 1210	. . .	545	3.83000E+00	1.08830E+01
75 167 1130	. . .	734	3.11000E+00	1.19017E+01
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	159	1.69000E+00	1.40099E+00
75 195 1240	. . .	936	3.73000E+02	1.82027E+03
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	339	4.65000E+00	8.21872E+00
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	400	2.48000E+00	5.17205E+00
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	376	2.78000E+00	5.44984E+00
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	385	8.27000E+00	1.66004E+01
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	474	4.65000E+00	1.14917E+01
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	400	1.24000E+01	2.58603E+01
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	326	2.51000E+01	4.26621E+01
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	293	1.32000E+01	2.01648E+01
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 321 0940	. . .	385	1.96000E+01	3.93431E+01
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		419	4.24830E+02	1.28200E+03
SPRING 1975		330	3.61200E+02	3.14164E+02
SUMMER 1975		520	5.06210E+02	1.89888E+03
FALL 1975		377	2.11800E+02	1.56122E+02
TOTAL 1975		407	1.44724E+03	3.61558E+03

WEIR 102 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1200	. . .	369	1.86000E+01	3.57842E+01
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	377	1.32000E+01	2.59458E+01
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	257	1.76000E+01	2.35829E+01
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	138	3.86000E+01	2.77727E+01
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	486	2.88000E+01	7.29760E+01
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	281	2.51000E+01	3.67732E+01
76 047 0915	. . .	181	2.39000E+01	2.25542E+01
76 054 1055	. . .	517	2.63000E+01	7.08921E+01
76 061 1040	. . .	267	1.76000E+01	2.45005E+01
76 068 1100	. . .	166	1.49000E+01	1.28957E+01
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	429	1.96000E+01	4.38394E+01
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	366	2.75000E+01	5.24765E+01
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	480	1.32000E+01	3.30344E+01
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	523	1.49000E+01	4.06293E+01
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	768	7.67000E+00	3.07120E+01
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	578	7.67000E+00	2.31140E+01
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	857	4.92000E+01	2.19835E+02
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	640	7.47000E+01	2.49260E+02
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	744	1.67000E+01	6.47800E+01
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	189	3.88000E+01	3.82336E+01
76 278 1105	. . .	151	8.89000E+00	6.99891E+00
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	145	5.55000E+00	4.19578E+00
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	378	2.88000E+01	5.67591E+01
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	141	9.54000E+00	7.01324E+00
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	290	2.39000E+01	3.61366E+01
WINTER 1976		319	3.55800E+02	3.40782E+02

WEIR 102 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		447	2.04520E+02	2.61202E+02
SUMMER 1976		705	2.39820E+02	5.56989E+02
FALL 1976		216	2.36650E+02	1.49337E+02
TOTAL 1976		389	1.01152E+03	1.26069E+03

WEIR 103 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	196	8.89000E+00	6.87082E+00
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	160	4.65000E+00	2.93375E+00
75 006 1200	. . .	65	4.23000E+00	1.08419E+00
75 013 1200	. . .	720	4.51000E+01	1.28044E+02
75 027 1155	. . .	95	1.76000E+01	6.59306E+00
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	196	1.24000E+01	9.58360E+00
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	320	7.93000E+01	1.00063E+02
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	305	2.75000E+01	3.30737E+01
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	95	1.96000E+01	7.34227E+00
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	167	5.39000E+01	3.54941E+01
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	393	2.63000E+01	4.07567E+01
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	480	1.58000E+01	2.99054E+01
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	2420	3.28000E+01	3.12997E+02
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	438	2.78000E+00	4.80142E+00
75 195 1600	. . .	680	2.02000E+02	5.41640E+02
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	242	6.56000E+00	6.25994E+00
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	343	2.48000E+00	3.35426E+00
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	268	2.48000E+00	2.62082E+00
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	385	4.65000E+00	7.05935E+00
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	257	1.67000E+01	1.69239E+01
75 287 1235	. . .	92	2.06000E+01	7.47319E+00
75 293 1215	. . .	252	2.75000E+01	2.73265E+01
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	293	1.96000E+01	2.26451E+01
75 314 1605	. . .	400	2.39000E+01	3.76972E+01

Table 17. (Continued)

Summer

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(µg/ℓ)
76	153	0000	76	153	0730	0.74	.0219	296
76	153	0730	76	169	1635	4.47	.2105	471
76	169	1635	76	189	0800	2.57	.1617	629
76	189	0800	76	195	0830	3.61	.2657	736
76	195	0830	76	201	0705	4.62	.2282	494
76	201	0705	76	212	0930	2.06	.1450	704
76	212	0930	76	223	0745	9.98	.6028	604
76	223	0715	76	229	0745	5.21	.2605	500
76	229	0745	76	244	2400	1.29	.0992	769
Seasonal total						34.55	1.9955	mean 578 sd 152 n = 9

Table 17. (Continued)

Fall

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
76	245	0000	76	257	0900	1.12	.0861	769
76	257	0900	76	261	0900	4.70	.0790	168
76	261	0900	76	272	0745	2.59	.1295	500
76	272	0745	76	279	0915	5.44	.1529	281
76	279	0915	76	286	0845	4.95	.0317	64
76	286	0845	76	295	1000	5.03	.1509	300
76	295	1000	76	300	1000	4.17	.0867	208
76	300	1000	76	307	0915	3.00	.1086	362
76	307	0915	76	335	1100	2.21	.1596	722
76	335	1100	76	335	2400	0	(.0062)	nd
Seasonal total						33.21	1.9912	mean 375 sd 243 n = 9
(Data estimated)								
Yearly total						117.23	5.9659	mean 481 sd 318 n = 34

Table 18. Nitrate + nitrite-nitrogen loading in bulk precipitation samples for 1975 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
74	335	0900	74	342	1200	3.18	.0124	39
74	342	1200	74	348	0900	0.25	.0016	65
74	348	0900	74	350	0900	3.40	.0309	91
74	350	0900	74	361	0900	0.25	.0083	332
74	361	0900	75	007	0900	1.52	.0672	442
75	007	0900	75	009	0900	1.19	.0161	135
75	009	0900	75	014	0900	1.93	.0672	348
75	014	0900	75	021	0900	3.58	.1053	294
75	021	0900	75	025	0900	0.46	.0212	460
75	025	0900	75	031	1600	0.64	.1478	2310
75	031	1600	75	035	0900	0.53	.0239	451
75	035	0900	75	036	0900	2.29	.0753	329
75	036	0900	75	043	1600	1.52	.1189	782
75	043	1600	75	050	0900	0.46	.0713	1550
75	050	0900	75	055	0900	1.09	.0335	307
75	055	0900	75	059	2400	0.40	.0177	442
Seasonal total						32.69	.9635	mean 524
								sd 596
								n = 16

Table 18. (Continued)

Spring

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
75	060	0000	75	070	0900	1.10	.0488	444
75	070	0900	75	073	0900	2.61	.0673	258
75	073	0900	75	076	1130	4.42	.1083	245
75	076	1130	75	079	0900	4.62	.0213	46
75	079	0900	75	084	0900	1.75	.1306	746
75	084	0900	75	090	0945	1.17	.0491	420
75	090	0945	75	093	1200	0.58	.0194	336
75	093	1200	75	106	1400	2.03	.0682	336
75	106	1400	75	111	0900	0	(.0793)	nd
75	111	0900	75	115	0900	1.09	.0634	582
75	115	0900	75	118	1100	2.21	.0835	378
75	118	1100	75	122	1300	5.72	.1338	234
75	122	1300	75	125	0830	2.08	.0549	264
75	125	0830	75	127	0930	1.17	.0631	539
75	127	0930	75	133	0930	2.67	.1917	718
75	133	0930	75	135	1600	0	(.0868)	nd
75	135	1600	75	136	0900	1.32	.0423	321
75	136	0900	75	143	0900	1.52	(.2138)	nd
75	143	0900	74	148	0930	0.20	.0067	349
75	148	0930	75	152	2400	2.48	.0233	94
Seasonal total						38.74	1.469	mean 371 sd 192 n = 17

(Data estimated)

Table 18. (Continued)

Summer

Starting time Yr	Day	Time	Ending time Yr	Day	Time	Rain amount (cm)	Loadings (Kg N/ha.)	Concentration (μg/ℓ)
75	153	0000	75	153	0930	0.62	.0058	94
75	153	0930	75	156	1400	0.81	.0549	678
75	156	1400	75	157	1530	0.56	.0225	402
75	157	1530	75	164	0900	2.31	.0531	230
75	164	0900	75	168	0900	2.24	.0556	248
75	168	0900	75	177	1600	0.86	.0230	267
75	177	1600	75	188	1300	0.53	.0471	888
75	188	1300	75	189	0900	1.52	.0350	230
75	189	0900	75	192	1400	4.27	.1529	358
75	192	1400	75	195	0900	10.7	.1209	113
75	195	0900	75	198	0900	0.66	.0203	307
75	198	0900	75	202	0900	2.87	.0560	195
75	202	0900	75	210	1200	1.35	.0513	380
75	210	1200	75	217	0900	0.64	.0178	278
75	217	0900	75	218	0930	2.41	.0817	339
75	218	0930	75	226	0930	0.94	.0752	800
75	226	0930	75	230	1600	3.68	.1656	450
75	230	1600	75	244	2400	7.23	.1959	271
Seasonal total						44.20	1.2346	mean 362 sd 219 n = 18

Table 18. (Continued)

Fall

Starting time Yr	Day	Time	Ending time Yr	Day	Time	Rain amount (cm)	Loadings (Kg N/ha.)	Concentration (µg/ℓ)
75	245	0000	75	245	0900	0.52	.0141	271
75	245	0900	75	251	1300	1.12	.0270	241
75	251	1300	75	259	0910	0.48	.0365	761
75	259	0900	75	262	1000	2.36	.0472	200
75	262	1000	75	267	1100	7.65	.0895	117
75	267	1100	75	269	0900	5.51	.0584	106
75	269	0900	75	272	0900	3.66	.0187	51
75	272	0900	75	283	0930	3.70	.1343	363
75	283	0930	75	294	0930	3.81	.1017	267
75	294	0930	75	303	1000	1.27	(.09981)	nd
75	303	1000	75	322	0900	4.19	.2066	493
75	322	0900	75	335	2400	1.86	.2176	1170
Seasonal total						36.13	1.2944	mean 367 sd 333 n = 11
(Data estimated)								
Yearly total						141.76	4.9615	mean 410 sd 367 n = 62

Table 19. Nitrate + nitrite-nitrogen loading in bulk precipitation samples for 1976 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(μg/ℓ)
75	336	0000	75	344	0900	1.29	.1509	1170
75	344	0900	75	358	1030	0.91	.1278	1404
75	358	1030	75	363	0900	2.79	.0670	240
75	363	0900	76	002	0900	9.14	.1581	173
76	002	0900	76	005	0900	1.14	.0294	258
76	005	0900	76	007	0900	0	(.0036)	nd
76	007	0900	76	012	0900	2.41	.0393	163
76	012	0900	76	027	0915	3.18	.1612	507
76	027	0915	76	028	0900	2.79	.2207	791
76	028	0900	76	033	0900	2.24	.1241	554
76	033	0900	76	054	1700	2.16	.2017	934
76	054	1700	76	060	2400	0.05	.0023	nd
Seasonal total						28.10	1.2861	mean 619 sd 440 n = 10

(Data estimated)

Table 19. (Continued)

Spring

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg N/ha.)	(µg/ℓ)
76	061	0000	76	068	0815	0.06	.3739	nd
76	068	0815	76	071	0815	3.43	.2967	865
76	071	0815	76	089	0800	2.77	.1496	540
76	089	0800	76	093	0900	3.30	.1508	457
76	093	0900	76	124	0830	5.38	.3056	568
76	124	0830	76	140	0830	3.00	.0669	223
76	140	0830	76	148	1000	0.46	(.0499)	nd
76	148	1000	76	152	2400	2.97	.0695	234
Seasonal total						21.37	1.4629	mean 481 sd 239 n = 6

(Data estimated)

Table 19. (Continued)

Summer

Starting time			Ending time			Rain amount (cm)	Loadings (Kg N/ha.)	Concentration (μg/ℓ)
Yr	Day	Time	Yr	Day	Time			
76	153	0000	76	153	0730	0.74	.0173	234
76	153	0730	76	169	1635	4.47	.0697	156
76	169	1635	76	189	0800	2.57	.1005	391
76	189	0800	76	195	0830	3.61	.1848	512
76	195	0830	76	201	0705	4.62	.0984	213
76	201	0705	76	212	0930	2.06	.0890	432
76	212	0930	76	223	0745	9.98	.3174	318
76	223	0715	76	229	0745	5.21	.2610	501
76	229	0745	76	244	2400	1.29	.2460	1907
Seasonal total						34.55	1.3841	mean 518 sd 536 n = 9

Table 19. (Continued)

Fall

Starting time			Ending time			Rain amount (cm)	Loadings (Kg N/ha.)	Concentration (µg/ℓ)
Yr	Day	Time	Yr	Day	Time			
76	245	0000	76	257	0900	1.12	.2136	1907
76	257	0900	76	261	0900	4.70	.0329	70
76	261	0900	76	272	0745	2.59	.1318	509
76	272	0745	76	279	0915	5.44	.4809	884
76	279	0915	76	286	0845	4.95	.0426	86
76	286	0845	76	295	1000	5.03	.1172	233
76	295	1000	76	300	1000	4.17	.1068	256
76	300	1000	76	307	0915	3.00	.0600	200
76	307	0915	76	335	1100	2.21	.2519	1140
76	335	1100	76	335	2400	0	.0041	321
Seasonal total						33.21	1.4418	mean 561 sd 588 n = 10
Yearly total						117.23	5.5749	mean 553 sd 470 n = 35

Table 20. Total organic matter loading in bulk precipitation samples for 1975 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
74	335	0900	74	342	1200	3.18	3784	11.9
74	342	1200	74	348	0900	0.25	(3680)	nd
74	348	0900	74	350	0900	3.40	1394	4.1
74	350	0900	74	361	0900	0.25	162.5	6.5
74	361	0900	75	007	0900	1.52	2219	14.6
75	007	0900	75	009	0900	1.19	773.5	6.5
75	009	0900	75	014	0900	1.93	2683	13.9
75	014	0900	75	021	0900	3.58	4153	11.6
75	021	0900	75	025	0900	0.46	2065	44.9
75	025	0900	75	031	1600	0.64	2349	36.7
75	031	1600	75	035	0900	0.53	(5540)	nd
75	035	0900	75	036	0900	2.29	2794	12.2
75	036	0900	75	043	1600	1.52	2219	14.6
75	043	1600	75	050	0900	0.46	(1612)	nd
75	050	0900	75	055	0900	1.09	(1240)	nd
75	055	0900	75	059	2400	0.40	712	17.8
Seasonal total						22.69	3.37×10^4	mean 16.28 sd 12.37 n = 12

(Data estimated)

Table 20. (Continued)

Spring

Starting time			Ending time			Rain amount (cm)	Loadings (Kg cal/ha.)	Concentration (g cal/ℓ)
Yr	Day	Time	Yr	Day	Time			
75	060	0000	75	070	0900	1.10	1958	17.8
75	070	0900	75	073	0900	2.61	3784	14.5
75	073	0900	75	076	1130	4.42	11010	24.9
75	076	1130	75	079	0900	4.62	3742	8.1
75	079	0900	75	084	0900	1.75	6125	35
75	084	0900	75	090	0945	1.17	4692	40.1
75	090	0945	75	093	1200	0.58	3335	57.5
75	093	1200	75	106	1400	2.03	7389	36.4
75	106	1400	75	111	0900	0	(9060)	nd
75	111	0900	75	115	0900	1.09	12860	118
75	115	0900	75	118	1100	2.21	4729	21.4
75	118	1100	75	122	1300	5.72	8294	14.5
75	122	1300	75	125	0830	2.08	8611	41.4
75	125	0830	75	127	0930	1.17	(6180)	nd
75	127	0930	75	133	0930	2.67	18800	70.4
75	133	0930	75	135	1600	0	(25700)	nd
75	135	1600	75	136	0900	1.32	10540	79.9
75	136	0900	75	143	0900	1.52	(19080)	nd
75	143	0900	75	148	0930	0.20	(9500)	nd
75	148	0930	75	152	2400	2.48	4290	17.3
Seasonal total						38.74	1.75×10^5	mean 39.8 sd 29.0 n = 15

(Data estimated)

Table 20. (Continued)

Summer

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
75	153	0000	75	153	0930	0.62	1073	17.3
75	153	0930	75	156	1400	0.81	2341	28.9
75	156	1400	75	157	1530	0.56	1428	25.5
75	157	1530	75	164	0900	2.31	7577	32.8
75	164	0900	75	168	0900	2.24	4502	20.1
75	168	0900	75	177	1600	0.86	7663	89.1
75	177	1600	75	188	1300	0.53	4791	90.4
75	188	1300	75	189	0900	1.52	2994	19.7
75	189	0900	75	192	1400	4.27	5252	12.3
75	192	1400	75	195	0900	10.7	11450	10.7
75	195	0900	75	198	0900	0.66	316.8	4.8
75	198	0900	75	202	0900	2.87	631.4	2.2
75	202	0900	75	210	1200	1.35	(4540)	nd
75	210	1200	75	217	0900	0.64	6720	105
75	217	0900	75	218	0930	2.41	8194	34
75	218	0930	75	226	0930	0.94	6862	73
75	226	0930	75	230	1600	3.68	16930	46
75	230	1600	75	244	2400	7.23	24440	33.8
Seasonal total						44.2	1.27×10^5	mean 38.0 sd 31.9 n = 17

(Data estimated)

Table 20. (Continued)

Fall

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
75	245	0000	75	245	0900	0.52	1758	33.8
75	245	0900	75	251	1300	1.12	5779	51.6
75	251	1300	75	259	0910	0.48	4992	104
75	259	0900	75	262	1000	2.36	4012	17
75	262	1000	75	267	1100	7.65	8415	11
75	167	1100	75	269	0900	5.51	3471	6.3
75	269	0900	75	272	0900	3.66	2306	6.3
75	272	0900	75	283	0930	3.70	11100	30
75	283	0930	75	294	0930	3.81	7391	19.4
75	294	0930	75	303	1000	1.27	(9031)	nd
75	303	1000	75	322	0900	4.19	4274	10.2
75	322	0900	75	335	2400	1.86	9672	52
Seasonal total						36.13	7.22×10^4	mean 31.0 sd 29.3 n = 11
(Data estimated)								
Yearly total						141.76	4.079×10^5	mean 32.4 sd 28.5 n = 55

Table 21. Total organic matter loading in bulk precipitation samples for 1976 watershed year.

Winter

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
75	336	0000	75	344	0900	1.29	6708	52
75	344	0900	75	358	1030	0.91	6115	67.2
75	358	1030	75	363	0900	2.79	5524	19.8
75	363	0900	76	002	0900	9.14	10240	11.2
76	002	0900	76	005	0900	1.14	(5127)	nd
76	005	0900	76	007	0900	0	(1044)	nd
76	007	0900	76	012	0900	2.41	4290	17.8
76	012	0900	76	027	0915	3.18	9381	29.5
76	027	0915	76	028	0900	2.79	3069	11
76	028	0900	76	033	0900	2.24	4525	20.2
76	033	0900	76	054	1700	2.16	11690	54.1
76	054	1700	76	060	2400	0.05	(4416)	nd
Seasonal total						28.10	7.21×10^4	mean 31.4 sd 20.9 n = 9

(Data estimated)

Table 21. (Continued)

Spring

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
76	061	0000	76	068	0815	0.06	(7728)	nd
76	068	0815	76	071	0815	3.43	5248	15.3
76	071	0815	76	089	0800	2.77	8033	29
76	089	0800	76	093	0900	3.30	(5444)	nd
76	093	0900	76	124	0830	5.38	70480	131
76	124	0830	76	140	0830	3.00	18360	61.2
76	140	0830	76	148	1000	0.46	(15550)	nd
76	148	1000	76	152	2400	2.97	11580	39
Seasonal total						21.37	1.42×10^5	mean 55.1 sd 45.6 n = 5

(Data estimated)

Table 21. (Continued)

Summer

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
76	153	0000	76	153	0730	0.74	2886	39
76	153	0730	76	169	1635	4.47	21900	49
76	169	1635	76	189	0800	2.57	18760	73
76	189	0800	76	195	0830	3.61	14080	39
76	195	0830	76	201	0705	4.62	16630	36
76	201	0705	76	212	0930	2.06	19780	96
76	212	0930	76	223	0745	9.98	19960	20
76	223	0715	76	229	0745	5.21	13550	26
76	229	0745	76	244	2400	1.29	10450	81
Seasonal total						34.55	$1.38\text{x}10^5$	mean 51.0 sd 26.2 n = 9

Table 21. (Continued)

Fall

Starting time			Ending time			Rain amount	Loadings	Concentration
Yr	Day	Time	Yr	Day	Time	(cm)	(Kg cal/ha.)	(g cal/ℓ)
76	245	0000	76	257	0900	1.12	9072	81
76	257	0900	76	261	0900	4.70	10340	22
76	261	0900	76	272	0745	2.59	17090	66
76	272	0745	76	279	0915	5.44	(9933)	nd
76	279	0915	76	286	0845	4.95	8910	18
76	286	0845	76	295	1000	5.03	9054	18
76	295	1000	76	300	1000	4.17	4170	10
76	300	1000	76	307	0915	3.00	8700	29
76	307	0915	76	335	1100	2.21	7072	32
76	335	1100	76	335	2400	0	2319	5
Seasonal total						33.21	8.67×10^4	mean 31.2 sd 25.7 n = 9
(Data estimated)								
Yearly total						117.23	4.39×10^5	mean 40.6 sd 29.1 n = 32

WEIR 101 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1030	74 343 1045	883.0	8.94000E+06	3.49448E+07
74 343 1045	74 350 1130	856.0	7.26000E+06	2.75102E+07
74 350 1130	74 357 1000	1060.0	1.39000E+07	6.52236E+07
74 357 1000	74 364 0925	473.0	4.92000E+06	1.03017E+07
74 364 0925	75 006 1115	374.0	5.46000E+06	9.03958E+06
75 006 1115	75 013 1100	610.0	1.23000E+07	3.32138E+07
75 013 1100	75 020 1000	849.0	1.84000E+07	6.91527E+07
75 020 1000	75 027 1105	604.0	1.65000E+07	4.41169E+07
75 027 1105	75 034 1145	279.0	1.18000E+07	1.45737E+07
75 034 1145	75 041 1240	807.0	2.04000E+07	7.28765E+07
75 041 1240	75 049 1340	601.0	1.67000E+07	4.44298E+07
75 049 1340	75 055 1205	733.0	1.02000E+07	3.30969E+07
75 055 1205	75 062 1225	414.0	1.33000E+07	2.43745E+07
75 062 1225	75 069 1210	725.0	8.99000E+06	2.88524E+07
75 069 1210	75 076 1320	1280.0	3.25000E+07	1.84152E+08
75 076 1320	75 083 1345	2550.0	5.73000E+07	6.46813E+08
75 083 1340	75 090 1245	.	3.10000E+07	.
75 090 1245	75 097 1215	988.0	1.74000E+07	7.61009E+07
75 097 1215	75 104 1210	568.0	1.25000E+07	3.14298E+07
75 104 1210	75 111 1205	599.0	1.70000E+07	4.50775E+07
75 111 1205	75 118 1205	734.0	1.86000E+07	6.04356E+07
75 118 1205	75 125 1305	854.0	3.08000E+07	1.16437E+08
75 125 1305	75 132 1135	645.0	2.27000E+07	6.48141E+07
75 132 1135	75 139 1150	1050.0	2.22000E+07	1.03187E+08
75 139 1150	75 147 1130	821.0	1.18000E+07	4.28853E+07
75 147 1130	75 153 1355	1000.0	7.37000E+06	3.26251E+07
75 153 1355	75 160 1150	1000.0	6.23000E+06	2.75786E+07
75 160 1150	75 167 .	898.0	5.45000E+06	2.16649E+07
75 167 .	75 174 1125	1750.0	6.64000E+06	5.14387E+07
75 174 1125	75 181 .	.	1.94000E+06	.
75 181 .	75 188 1045	.	9.94000E+05	.
75 188 1045	75 195 1220	2950.0	3.78000E+07	4.93625E+08
75 195 1220	75 202 1140	1500.0	2.82000E+07	1.87251E+08
75 202 1140	75 209 1205	648.0	8.55000E+06	2.45259E+07
75 209 1205	75 216 1100	1510.0	4.55000E+06	3.04139E+07
75 216 1100	75 223 1130	1450.0	6.08000E+06	3.90261E+07
75 223 1130	75 230 1200	2070.0	1.34000E+07	1.22789E+08
75 230 1200	75 237 1105	504.0	4.09000E+06	9.12510E+06
75 237 1105	75 244 1020	2250.0	1.07000E+07	1.06574E+08
75 244 1020	75 251 1130	762.0	9.93000E+06	3.34956E+07
75 251 1130	75 258 1145	.	3.72000E+06	.
75 258 1145	75 265 1150	949.0	5.27000E+06	2.21391E+07
75 265 1150	75 272 1200	1240.0	8.27000E+07	4.53953E+08
75 272 1200	75 280 0925	740.0	1.84000E+07	6.02745E+07
75 280 0925	75 287 0920	644.0	2.45000E+07	6.98451E+07
75 287 0920	75 293 0950	689.0	2.20000E+07	6.71005E+07
75 293 0950	75 301 1040	488.0	1.71000E+07	3.69402E+07

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WEIR 101 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1040	75 307 1040	771.0	1.12000E+07	3.82258E+07
75 307 1040	75 314 1330	402.0	1.15000E+07	2.04648E+07
75 314 1330	75 321 0920	920.0	2.55000E+07	1.03851E+08
75 321 0920	75 328 1150	526.0	1.34000E+07	3.12014E+07
75 328 1150	75 335 1145	560.0	1.07000E+07	2.65250E+07
WINTER 1975		657.2	1.60080E+08	4.82855E+08
SPRING 1975		984.5	2.90160E+08	1.43281E+09
SUMMER 1975		1502.7	1.34624E+08	1.11401E+09
FALL 1975		724.2	2.55920E+08	9.64016E+08
TOTAL 1975		949.5	8.40784E+08	3.99369E+09

WEIR 101 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1145	75 342 1050	250.0	9.95000E+06	1.10115E+07
75 342 1050	75 349 1145	712.0	1.16000E+07	3.65613E+07
75 349 1145	75 356 1000	678.0	8.62000E+06	2.58714E+07
75 356 1000	75 363 1110	860.0	1.62000E+07	6.16733E+07
75 363 1110	76 005 1130	2280.0	7.67000E+07	7.74130E+08
76 005 1130	76 012 1100	.	3.71000E+07	.
76 012 1100	76 019 1205	731.0	2.02000E+07	6.53661E+07
76 019 1205	76 026 1050	.	1.44000E+07	.
76 026 1050	76 033 1205	1790.0	6.17000E+07	4.88902E+08
76 033 1205	76 040 1038	1050.0	2.78000E+07	1.29216E+08
76 040 1038	76 047 0900	811.0	1.97000E+07	7.07247E+07
76 047 0900	76 054 1020	809.0	1.96000E+07	7.01921E+07
76 054 1020	76 061 1000	849.0	1.54000E+07	5.78778E+07
76 061 1000	76 068 1040	914.0	1.34000E+07	5.42169E+07
76 068 1040	76 075 1058	640.0	2.66000E+07	7.53608E+07
76 075 1058	76 082 1050	728.0	1.92000E+07	6.18752E+07
76 082 1050	76 089 1050	825.0	1.44000E+07	5.25896E+07
76 089 1050	76 096 1045	1110.0	2.79000E+07	1.37092E+08
76 096 1045	76 103 1033	534.0	1.44000E+07	3.40398E+07
76 103 1033	76 110 1040	564.0	1.07000E+07	2.67145E+07
76 110 1040	76 117 0950	.	8.20000E+06	.
76 117 0950	76 124 1017	1090.0	1.26000E+07	6.07968E+07
76 124 1017	76 131 0945	761.0	6.31000E+06	2.12568E+07
76 131 0945	76 138 0945	807.0	4.82000E+06	1.72189E+07
76 138 0945	76 145 0945	945.0	4.54000E+06	1.89920E+07
76 145 0945	76 153 0955	863.0	8.00000E+06	3.05622E+07
76 153 0955	76 159 1015	882.0	2.51000E+06	9.80000E+06
76 159 1015	76 166 0947	700.0	9.74000E+05	3.01815E+06
76 166 0947	76 173 1020	1080.0	3.75000E+06	1.79283E+07
76 173 1020	76 180 1045	1060.0	7.90000E+05	3.70695E+06
76 180 1045	76 188 0950	1450.0	8.14000E+05	5.22488E+06
76 188 0950	76 194 0950	1260.0	1.13000E+06	6.30279E+06
76 194 0950	76 201 0950	1580.0	4.65000E+06	3.25232E+07
76 201 0950	76 208 1000	931.0	4.40000E+05	1.81337E+06
76 208 1000	76 215 1100	1690.0	7.20000E+05	5.38645E+06
76 215 1100	76 222 1012	2790.0	8.27000E+06	1.02139E+08
76 222 1012	76 229 1040	1300.0	1.16000E+07	6.67552E+07
76 229 1040	76 236 1010	630.0	3.03000E+06	8.45020E+06
76 236 1010	76 243 1015	1220.0	1.44000E+06	7.77689E+06
76 243 1015	76 251 1027	566.0	2.15000E+05	5.38690E+05
76 251 1027	76 257 0950	1260.0	1.23000E+05	6.86056E+05
76 251 1027	76 257 0950	.	.	.
76 251 1027	76 257 0950	.	.	.
76 257 0950	76 264 1000	814.0	2.26000E+06	8.14360E+06
76 264 1000	76 271 1020	489.0	4.53000E+05	9.80598E+05
76 271 1020	76 278 1040	653.0	7.69000E+06	2.22292E+07
76 278 1040	76 286 1110	1010.0	1.92000E+07	8.58433E+07

WEIR 101 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 286 1110	76 292 1040	566.0	4.16000E+06	1.04230E+07
76 292 1040	76 300 1105	928.0	3.04000E+07	1.24884E+08
76 300 1105	76 306 1120	737.0	2.27000E+07	7.40589E+07
76 300 1105	76 306 1120	.	.	.
76 306 1120	76 313 1125	552.0	1.36000E+07	3.32324E+07
76 313 1125	76 320 1105	260.0	8.62000E+06	9.92120E+06
76 320 1105	76 327 1130	659.0	7.13000E+06	.
76 327 1130	76 334 1300	261.0	6.76000E+06	.
WINTER 1976		983.6	3.38970E+08	1.79152E+09
SPRING 1976		815.1	1.71070E+08	5.90716E+08
SUMMER 1976		1274.9	4.01180E+07	2.70825E+08
FALL 1976		673.5	1.23311E+08	3.99551E+08
TOTAL 1976		937.3	6.73469.E+08	3.05261E+09

WEIR 102 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1055	74 343 1105	558.0	8.29000E+06	2.41179E+07
74 343 1105	74 350 1215	399.0	6.21000E+06	1.29186E+07
74 350 1215	74 357 1020	907.0	1.27000E+07	6.00568E+07
74 357 1020	74 364 1015	244.0	5.23000E+06	6.65339E+06
74 364 1025	75 006 1140	211.0	4.35000E+06	4.78545E+06
75 006 1140	75 013 1125	232.0	1.12000E+07	1.35474E+07
75 013 1125	75 020 1020	644.0	1.78000E+07	5.97664E+07
75 020 1020	75 027 1135	456.0	1.78000E+07	4.23191E+07
75 027 1135	75 034 1205	201.0	1.05000E+07	1.10036E+07
75 034 1255	75 041 1300	449.0	1.92000E+07	4.49468E+07
75 041 1300	75 049 1350	517.0	1.54000E+07	4.15109E+07
75 049 1350	75 055 1220	457.0	9.00000E+06	2.14442E+07
75 055 1220	75 062 1240	366.0	1.16000E+07	2.21356E+07
75 062 1240	75 069 1415	421.0	6.64000E+06	1.45748E+07
75 069 1415	75 076 1330	743.0	3.18000E+07	1.23188E+08
75 076 1330	75 083 1400	1050.0	6.04000E+07	3.30657E+08
75 083 1400	75 090 1300	577.0	2.56000E+07	7.70136E+07
75 090 1300	75 097 1240	570.0	1.34000E+07	3.98227E+07
75 097 1240	75 104 1225	255.0	9.38000E+06	1.24708E+07
75 104 1225	75 111 1225	321.0	1.36000E+07	2.27612E+07
75 111 1225	75 118 1225	437.0	1.55000E+07	3.53154E+07
75 118 1225	75 125 1320	350.0	2.88000E+07	5.25547E+07
75 125 1320	75 132 1150	472.0	2.09000E+07	5.14327E+07
75 132 1150	75 139 1205	485.0	2.03000E+07	5.13321E+07
75 139 1205	75 147 1150	.	8.91000E+06	.
75 147 1150	75 153 1400	953.0	5.75000E+06	2.85701E+07
75 153 1400	75 160 1210	.	4.05000E+06	.
75 160 1210	75 167 1130	825.0	3.66000E+06	1.57430E+07
75 167 1130	75 174 1135	1800.0	5.84000E+06	5.48071E+07
75 174 1135	75 181 .	.	1.05000E+06	.
75 181 .	75 188 1055	.	1.10000E+05	.
75 188 1055	75 195 1240	1430.0	4.92000E+07	3.66820E+08
75 195 1240	75 202 1200	1140.0	2.68000E+07	1.59291E+08
75 202 1200	75 209 1245	696.0	6.30000E+06	2.28613E+07
75 209 1245	75 216 1115	752.0	4.15000E+06	1.62711E+07
75 216 1115	75 223 1140	861.0	3.90000E+06	1.75073E+07
75 223 1140	75 230 1220	1360.0	1.73000E+07	1.22669E+08
75 230 1220	75 237 1120	.	2.62000E+06	.
75 237 1040	75 244 1040	1310.0	1.04000E+07	7.10323E+07
75 244 1040	75 251 1145	683.0	7.60000E+06	2.70636E+07
75 251 1145	75 258 1200	1000.0	2.58000E+06	1.34515E+07
75 258 1200	75 265 1205	952.0	3.69000E+06	1.83153E+07
75 265 1205	75 272 1230	967.0	9.24000E+07	4.65854E+08
75 272 1230	75 280 0940	879.0	1.26000E+07	5.77445E+07
75 280 0940	75 287 0940	794.0	1.89000E+07	7.82409E+07
75 287 0940	75 293 1010	646.0	1.68000E+07	5.65839E+07
75 293 1010	75 301 1055	660.0	1.26000E+07	4.33577E+07

WEIR 102 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1055	75 307 1050	701.0	8.76000E+06	3.20165E+07
75 307 1050	75 314 1345	553.0	7.61000E+06	2.19412E+07
75 314 1345	75 321 0940	785.0	2.33000E+07	9.53624E+07
75 321 0940	75 328 1205	755.0	1.09000E+07	4.29067E+07
75 328 1205	75 335 1200	651.0	8.14000E+06	2.76285E+07
WINTER 1975		433.9	1.49280E+08	3.65206E+08
SPRING 1975		552.8	2.60980E+08	8.39693E+08
SUMMER 1975		1130.4	1.35380E+08	8.47002E+08
FALL 1975		771.2	2.25880E+08	9.80467E+08
TOTAL 1975		691.0	7.71520E+08	3.03237E+09

WEIR 102 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1200	75 342 1100	356.0	7.42000E+06	1.37723E+07
75 342 1100	75 349 1205	919.0	9.05000E+06	4.33626E+07
75 349 1205	75 356 1010	865.0	6.46000E+06	2.91340E+07
75 356 1010	75 363 1120	794.0	1.40000E+07	5.79562E+07
75 363 1120	76 005 1145	1040.0	7.45000E+07	4.03962E+08
76 005 1145	76 012 1130	.	3.20000E+07	.
76 012 1130	76 019 1235	667.0	1.61000E+07	5.59891E+07
76 019 1235	76 026 1117	.	1.43000E+07	.
76 026 1117	76 033 1235	1120.0	5.81000E+07	3.39270E+08
76 033 1235	76 040 1057	.	1.65000E+07	.
76 040 1057	76 047 0915	.	1.48000E+07	.
76 047 0915	76 054 1055	1160.0	1.60000E+07	9.67675E+07
76 054 1055	76 061 1040	.	1.29000E+07	.
76 061 1040	76 068 1100	643.0	1.06000E+07	3.55360E+07
76 068 1100	76 075 1115	536.0	2.34000E+07	6.53931E+07
76 075 1115	76 082 1110	828.0	1.72000E+07	7.42523E+07
76 082 1110	76 089 1110	727.0	1.27000E+07	4.81382E+07
76 089 1110	76 096 1105	1070.0	2.65000E+07	1.47836E+08
76 096 1105	76 103 1052	617.0	1.28000E+07	4.11762E+07
76 103 1052	76 110 1110	806.0	8.88000E+06	3.73164E+07
76 110 1110	76 117 1010	726.0	6.66000E+06	2.52094E+07
76 117 1010	76 124 1040	793.0	1.04000E+07	4.29990E+07
76 124 1040	76 131 1008	533.0	4.70000E+06	1.30610E+07
76 131 1008	76 138 1010	877.0	3.54000E+06	1.61865E+07
76 138 1010	76 145 1005	922.0	3.14000E+06	1.50943E+07
76 145 1005	76 153 1020	1140.0	6.85000E+06	4.07143E+07
76 153 1020	76 159 1035	1320.0	1.91000E+07	1.31449E+08
76 159 1035	76 166 1010	1360.0	4.50000E+05	3.19082E+06
76 166 1010	76 173 1035	1250.0	2.57000E+06	1.67492E+07
76 173 1035	76 180 1112	1840.0	.	.
76 188 1030	76 194 1022	1660.0	2.64000E+05	2.28488E+06
76 194 1022	76 201 1010	2100.0	3.53000E+06	3.86496E+07
76 201 1010	76 208 1020	772.0	1.39000E+04	5.59479E+04
76 208 1020	76 215 1120	1650.0	5.80000E+04	4.98957E+05
76 215 1120	76 222 1030	1870.0	3.37000E+06	3.28566E+07
76 222 1030	76 229 1100	925.0	6.32000E+06	3.04797E+07
76 229 1100	76 236 1032	726.0	6.64000E+05	2.51337E+06
76 236 1032	76 243 1035	4620.0	2.71000E+05	6.52774E+06
76 243 1035	76 251 1045	1190.0	0.00000E+00	0.00000E+00
76 243 1035	76 251 1045	.	.	.
76 257 1010	76 264 1025	1010.0	2.11000E+06	1.11111E+07
76 264 1025	76 271 1040	288.0	1.33000E+04	1.99708E+04
76 271 1040	76 278 1105	616.0	7.04000E+06	2.26102E+07
76 278 1105	76 286 1140	965.0	1.95000E+07	9.81100E+07
76 286 1140	76 292 1100	464.0	3.09000E+06	7.47529E+06
76 292 1100	76 300 1145	483.0	3.30000E+07	8.31022E+07
76 300 1145	76 306 1150	716.0	1.99000E+07	7.42878E+07

WEIR 102 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 306 1150	76 313 1153	668.0	1.04000E+07	3.62211E+07
76 313 1153	76 320 1125	311.0	6.09000E+06	9.87482E+06
76 320 1125	76 327 1145	543.4	5.07000E+06	1.43641E+07
76 327 1145	76 334 1320	284.7	5.02000E+06	7.45148E+06
WINTER 1976		865.1	2.92130E+08	1.04021E+09
SPRING 1976		786.0	1.47370E+08	6.02913E+08
SUMMER 1976		1674.4	3.66109E+07	2.65256E+08
FALL 1976		628.3	1.11233E+08	3.64628E+08
TOTAL 1976		994.9	5.87344E+08	2.27301E+09

WEIR 103 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1120	74 343 1130	631.0	4.83000E+06	1.20179E+07
74 343 1130	74 350 1245	1210.0	4.11000E+06	1.96100E+07
74 350 1245	74 357 1050	808.0	8.10000E+06	2.58076E+07
74 357 1050	74 364 1040	287.0	2.80000E+06	3.16877E+06
74 364 1040	75 006 1200	.	3.72000E+06	.
75 006 1200	75 013 1200	456.0	1.02000E+07	1.83407E+07
75 013 1200	75 020 1040	1090.0	1.71000E+07	7.34976E+07
75 020 1040	75 027 1155	374.0	1.65000E+07	2.43336E+07
75 027 1155	75 034 1400	157.0	9.57000E+06	5.92465E+06
75 034 1400	75 041 1455	379.0	2.09000E+07	3.12346E+07
75 041 1455	75 049 1600	610.0	1.64000E+07	3.94479E+07
75 049 1600	75 055 1425	644.0	1.01000E+07	2.56483E+07
75 055 1425	75 062 1420	531.0	1.30000E+07	2.72200E+07
75 062 1420	75 069 1355	319.0	8.10000E+06	1.01889E+07
75 069 1355	75 076 1600	840.0	3.77000E+07	1.24874E+08
75 076 1600	75 083 1545	897.0	6.80000E+07	2.40521E+08
75 083 1545	75 090 1350	580.0	3.23000E+07	7.38722E+07
75 090 1350	75 097 1540	371.0	1.87000E+07	2.73569E+07
75 097 1540	75 104 1540	225.0	1.34000E+07	1.18888E+07
75 104 1540	75 111 1555	274.0	1.92000E+07	2.07445E+07
75 111 1555	75 118 1540	379.0	2.29000E+07	3.42236E+07
75 118 1540	75 125 1615	441.0	3.86000E+07	6.71238E+07
75 125 1615	75 132 1610	478.0	3.02000E+07	5.69227E+07
75 132 1610	75 139 1515	485.0	2.99000E+07	5.71826E+07
75 139 1515	75 147 .	481.0	1.48000E+07	2.80710E+07
75 147 1435	75 153 1705	722.0	1.01000E+07	2.87547E+07
75 153 1705	75 160 1540	557.0	7.29000E+06	1.60116E+07
75 160 1540	75 167 1505	1280.0	6.65000E+06	3.35647E+07
75 167 1505	75 174 1245	2060.0	1.25000E+07	1.01538E+08
75 174 1245	75 181 .	1150.0	2.13000E+06	9.65891E+06
75 181 .	75 188 1310	.	3.92000E+05	.
75 188 1310	75 195 1600	1850.0	4.75000E+07	3.46510E+08
75 195 1600	75 202 1515	1070.0	2.91000E+07	1.22780E+08
75 202 1515	75 209 1400	369.0	7.22000E+06	1.05054E+07
75 209 1400	75 216 .	542.0	3.15000E+06	6.73226E+06
75 216 .	75 223 1450	1190.0	4.09000E+06	1.91920E+07
75 223 1450	75 230 1530	2520.0	1.15000E+07	1.14274E+08
75 230 1530	75 239 1040	470.0	7.61000E+06	1.41037E+07
75 239 1040	75 244 1220	1360.0	5.51000E+06	2.95489E+07
75 244 1220	75 251 1415	391.0	4.30000E+06	6.62973E+06
75 251 1500	75 258 1500	441.0	2.32000E+06	4.03438E+06
75 258 1500	75 265 1500	651.0	3.03000E+06	7.77812E+06
75 265 1500	75 272 1445	1040.0	8.88000E+07	3.64164E+08
75 272 1445	75 280 1220	743.0	1.65000E+07	4.83419E+07
75 280 1220	75 287 .	.	2.45000E+07	.
75 287 0940	75 293 1215	.	1.88000E+07	.
75 293 1215	75 301 1240	582.0	1.66000E+07	3.80962E+07

WEIR 103 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1240	75 307 .	.	1.16000E+07	.
75 307 1332	75 314 .	.	1.27000E+07	.
75 314 1605	75 322 1315	710.0	2.94000E+07	8.23107E+07
75 322 1515	75 328 1600	353.0	1.28000E+07	1.78170E+07
75 328 1600	75 335 1555	444.0	1.23000E+07	2.15347E+07
WINTER 1975		598.1	1.37330E+08	3.06252E+08
SPRING 1975		499.4	3.43900E+08	7.81724E+08
SUMMER 1975		1201.5	1.44642E+08	8.24420E+08
FALL 1975		595.0	2.53650E+08	5.90707E+08
TOTAL 1975		727.0	8.79522E+08	2.50310E+09

WEIR 103 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1555	75 342 1430	291.0	1.13000E+07	1.29665E+07
75 342 1430	75 349 1542	491.0	1.35000E+07	2.61376E+07
75 349 1542	75 356 1210	557.0	9.74000E+06	2.13927E+07
75 356 1210	75 363 1330	823.0	1.89000E+07	6.13356E+07
75 363 1330	76 005 1500	1740.0	8.25000E+07	5.66049E+08
76 005 1500	76 012 1500	.	4.10000E+07	.
76 012 1500	76 019 1430	389.0	2.28000E+07	3.49732E+07
76 019 1430	76 026 1525	.	1.84000E+07	.
76 026 1525	76 033 1525	932.0	7.02000E+07	2.57991E+08
76 033 1525	76 040 1605	.	3.16000E+07	.
76 040 1605	76 047 1150	389.0	2.27000E+07	3.48198E+07
76 047 1150	76 054 1510	677.0	2.41000E+07	6.43364E+07
76 054 1510	76 061 1400	540.0	1.91000E+07	4.06703E+07
76 061 1400	76 068 1420	452.0	1.78000E+07	3.17256E+07
76 068 1420	76 075 1545	568.0	3.35000E+07	7.50315E+07
76 075 1545	76 082 1510	672.0	2.51000E+07	6.65110E+07
76 082 1510	76 089 1400	470.0	1.97000E+07	3.65103E+07
76 089 1400	76 096 1505	598.0	3.43000E+07	8.08809E+07
76 096 1505	76 103 1435	481.0	1.92000E+07	3.64164E+07
76 103 1435	76 110 1440	527.0	1.50000E+07	3.11711E+07
76 110 1440	76 117 1515	457.0	1.24000E+07	2.23454E+07
76 117 1515	76 124 1525	2210.0	1.80000E+07	1.56861E+08
76 124 1525	76 131 1450	653.0	8.14000E+06	2.09599E+07
76 131 1450	76 138 1500	464.0	6.03000E+06	1.10328E+07
76 138 1500	76 145 1430	704.0	5.93000E+06	1.64618E+07
76 145 1430	76 153 1500	1120.0	1.28000E+07	5.65300E+07
76 153 1500	76 159 1455	697.0	3.17000E+06	8.71250E+06
76 159 1455	76 166 1530	612.0	9.57000E+05	2.30948E+06
76 166 1530	76 173 1537	686.0	2.20000E+06	5.95110E+06
76 173 1537	76 180 1522	731.0	4.77000E+05	1.37495E+06
76 188 1430	76 194 1430	1280.0	0.00000E+00	0.00000E+00
76 194 1430	76 201 1500	997.0	2.44000E+06	9.59259E+06
76 201 1500	76 208 1435	1900.0	3.66000E+03	2.74211E+04
76 208 1435	76 215 1435	1400.0	8.32000E+04	4.59306E+05
76 215 1435	76 222 1445	.	9.32000E+05	.
76 222 1445	76 229 1500	731.0	8.02000E+06	2.31176E+07
76 229 1500	76 236 1410	550.0	6.57000E+05	1.42488E+06
76 236 1410	76 243 1415	1610.0	2.85000E+02	1.80935E+03
76 257 1440	76 264 1425	1230.0	3.07000E+06	1.48900E+07
76 264 1425	76 271 1445	458.0	7.73000E+00	1.39603E+01
76 271 1445	76 278 1520	795.0	6.74000E+06	2.11289E+07
76 278 1520	76 286 1506	816.0	1.62000E+07	5.21262E+07
76 286 1506	76 292 1445	230.0	3.45000E+06	3.12894E+06
76 292 1445	76 300 1450	869.0	3.51000E+07	1.20276E+08
76 300 1450	76 306 1630	531.0	2.08000E+07	4.35521E+07
76 306 1630	76 313 1620	252.0	1.31000E+07	1.30174E+07
76 313 1620	76 320 1455	137.0	9.12000E+06	4.92681E+06

WEIR 103 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 320 1455	76 327 1530	412.0	6.66000E+06	1.08199E+07
76 327 1530	76 334 1700	161.0	7.89000E+06	5.00903E+06
WINTER 1976		682.9	3.85840E+08	1.12067E+09
SPRING 1976		721.2	2.27900E+08	6.42438E+08
SUMMER 1976		1017.6	1.89401E+07	5.29716E+07
FALL 1976		535.6	1.22130E+08	2.88875E+08
TOTAL 1976		739.8	7.54810E+08	2.10495E+09

WEIR 105 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 006 1535	75 013 1500	356.0	2.15000E+06	2.04107E+07
75 013 1500	75 020 1150	383.0	3.43000E+06	3.50317E+07
75 020 1140	75 027 1320	225.0	3.41000E+06	2.04600E+07
75 027 1320	75 034 1035	.	1.91000E+06	.
75 034 1035	75 041 1130	254.0	3.92000E+06	2.65515E+07
75 041 1130	75 049 1100	314.0	2.94000E+06	2.46176E+07
75 049 1100	75 055 1100	395.0	1.74000E+06	1.83280E+07
75 055 1100	75 062 1120	546.0	2.33000E+06	3.39248E+07
75 062 1120	75 069 1050	.	1.50000E+06	.
75 069 1050	75 076 1150	528.0	6.44000E+06	9.06752E+07
75 076 1150	75 083 1220	936.0	1.22000E+07	3.04512E+08
75 083 1220	75 090 1110	380.0	5.53000E+06	5.60373E+07
75 090 1110	75 097 1110	415.0	2.83000E+06	3.13187E+07
75 097 1110	75 104 1105	141.0	1.82000E+06	6.84320E+06
75 104 1105	75 111 1050	207.0	2.65000E+06	1.46280E+07
75 111 1050	75 118 1100	461.0	3.19000E+06	3.92157E+07
75 118 1100	75 125 1130	366.0	5.68000E+06	5.54368E+07
75 125 1130	75 132 1040	454.0	3.77000E+06	4.56421E+07
75 132 1040	75 139 1040	482.0	4.08000E+06	5.24416E+07
75 139 1040	75 147 1035	.	1.66000E+06	.
75 147 1035	75 153 1030	951.0	1.08000E+06	2.73888E+07
75 153 1030	75 160 1030	.	6.12000E+05	.
75 160 1030	75 167 1010	.	5.28000E+05	.
75 167 1010	75 174 1040	.	2.88000E+05	.
75 174 1040	75 181 .	.	4.02000E+04	.
75 181 .	75 188 0945	.	1.17000E+04	.
75 188 0945	75 195 1040	1180.0	8.64000E+06	2.71872E+08
75 195 1040	75 202 1030	703.0	4.77000E+06	8.94216E+07
75 202 1030	75 209 1100	373.0	1.10000E+06	1.09413E+07
75 209 1100	75 216 1005	1200.0	5.06000E+05	1.61920E+07
75 216 1005	75 223 1040	1250.0	3.96000E+05	1.32000E+07
75 223 1040	75 230 1120	1850.0	1.50000E+06	7.40000E+07
75 230 1120	75 237 0956	.	1.85000E+05	.
75 237 0956	75 244 0940	.	1.55000E+06	.
75 244 0940	75 251 1015	656.0	1.05000E+06	1.83680E+07
75 251 1045	75 258 1045	.	3.21000E+05	.
75 258 1040	75 265 1040	1510.0	5.20000E+05	2.09387E+07
75 265 1040	75 272 1030	1050.0	2.27000E+07	6.35600E+08
75 272 0840	75 280 0840	.	2.63000E+03	.
75 280 0840	75 287 0850	395.0	3.89000E+06	4.09747E+07
75 287 0850	75 293 0850	.	4.64000E+06	.
75 293 0850	75 301 0955	336.0	3.03000E+06	2.71488E+07
75 301 0955	75 307 0840	.	1.64000E+06	.
75 307 0840	75 314 1240	.	1.43000E+06	.
75 314 1240	75 321 1145	622.0	4.08000E+06	6.76736E+07
75 321 1145	75 328 1035	.	1.90000E+06	.
75 328 1035	75 335 1040	.	1.37000E+06	.

WEIR 105 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
WINTER 1975		353.3	2.18300E+07	1.79324E+08
SPRING 1975		483.7	5.24300E+07	7.24139E+08
SUMMER 1975		1092.7	2.01269E+07	4.75627E+08
FALL 1975		761.5	4.65736E+07	8.10704E+08
TOTAL 1975		630.6	1.40961E+08	2.18979E+09

WEIR 105 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1040	75 342 1000	.	1.12000E+06	.
75 342 1000	75 349 1100	.	1.34000E+06	.
75 349 1100	75 356 0915	.	8.87000E+05	.
75 356 0915	75 363 1010	.	2.28000E+06	.
75 363 1010	76 005 0930	1150.0	1.70000E+07	5.21333E+08
76 005 0930	76 012 0900	248.0	6.78000E+06	4.48384E+07
76 012 0900	76 019 1030	.	3.19000E+06	.
76 019 1030	76 026 1255	.	2.38000E+06	.
76 026 1255	76 033 1055	559.0	1.22000E+07	1.81861E+08
76 033 1055	76 040 0913	.	4.89000E+06	.
76 040 0913	76 047 0757	492.0	3.13000E+06	4.10656E+07
76 047 0757	76 054 0920	.	3.21000E+06	.
76 054 0920	76 061 0910	297.0	2.43000E+06	1.92456E+07
76 061 0910	76 068 0940	229.0	1.91000E+06	1.16637E+07
76 068 0940	76 075 0948	257.0	4.45000E+06	3.04973E+07
76 075 0948	76 082 0940	410.0	3.64000E+06	3.97973E+07
76 082 0940	76 089 0955	308.0	2.30000E+06	1.98907E+07
76 089 0955	76 096 0945	390.0	4.91000E+06	5.10640E+07
76 096 0945	76 103 0940	241.0	2.18000E+06	1.40101E+07
76 103 0940	76 110 0940	220.0	1.55000E+06	9.09333E+06
76 110 0940	76 117 0850	449.0	1.10000E+06	1.31707E+07
76 117 0850	76 124 0915	420.0	1.87000E+06	2.09440E+07
76 124 0915	76 131 0845	501.0	5.75000E+05	7.68200E+06
76 131 0845	76 138 0845	680.0	5.44000E+05	9.86453E+06
76 138 0845	76 145 0845	572.0	4.13000E+05	6.29963E+06
76 145 0845	76 153 0855	581.0	8.03000E+05	1.24411E+07
76 153 0855	76 159 0934	685.0	1.53000E+05	2.79480E+06
76 159 0934	76 166 0834	942.0	2.20000E+04	5.52640E+05
76 166 0834	76 173 0936	1280.0	3.57000E+05	1.21856E+07
76 173 0930	76 180 0935	.	2.81000E+04	.
76 180 0935	76 188 0830	.	1.31000E+04	.
76 188 0830	76 194 0855	1750.0	5.16000E+04	2.40800E+06
76 194 0855	76 201 0845	1190.0	4.08000E+05	1.29472E+07
76 201 0845	76 208 0840	1260.0	1.20000E+04	4.03200E+05
76 208 0840	76 215 0932	1860.0	5.79000E+04	2.87184E+06
76 215 0932	76 222 0905	1750.0	3.44000E+06	1.60533E+08
76 222 0905	76 229 0930	491.0	1.32000E+06	1.72832E+07
76 229 0930	76 236 0905	446.0	1.41000E+05	1.67696E+06
76 236 0905	76 243 0918	885.0	2.12000E+04	5.00320E+05
76 243 0918	76 251 0900	978.0	1.18000E+04	3.07744E+05
76 251 0900	76 257 0904	938.0	6.49000E+03	1.62337E+05
76 257 0904	76 264 0900	631.0	7.22000E+04	1.21489E+06
76 264 0900	76 271 0920	529.0	9.13000E+03	1.28794E+05
76 271 0920	76 278 0924	666.0	6.04000E+05	1.07270E+07
76 278 0924	76 286 0940	470.0	2.19000E+06	2.74480E+07
76 286 0940	76 292 0930	239.0	4.30000E+05	2.74053E+06
76 292 0930	76 300 0930	205.0	6.12000E+06	3.34560E+07

WEIR 105 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 300 0930	76 306 1000	322.0	4.51000E+06	3.87259E+07
76 306 1000	76 313 1015	323.0	2.27000E+06	1.95523E+07
76 313 1015	76 320 0950	112.0	1.22000E+06	3.64373E+06
76 320 0950	76 327 1005	299.0	9.06000E+05	7.22384E+06
76 327 1005	76 334 1130	488.0	9.14000E+05	1.18942E+07
WINTER 1976		549.2	6.08370E+07	8.08344E+08
SPRING 1976		404.5	2.62450E+07	2.45418E+08
SUMMER 1976		1139.9	6.02490E+06	2.14157E+08
FALL 1976		476.9	1.92636E+07	1.57225E+08
TOTAL 1976		636.7	1.12371E+08	1.42514E+09

WEIR 106 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 007 1605	75 013 1520	617.0	5.19000E+06	3.36016E+07
75 013 1520	75 020 1150	1040.0	5.79000E+06	6.31857E+07
75 020 1150	75 027 1340	952.0	6.34000E+06	6.33335E+07
75 027 1340	75 034 1050	386.0	4.30000E+06	1.74166E+07
75 034 1050	75 041 1145	692.0	6.39000E+06	4.63996E+07
75 041 1145	75 049 1120	736.0	6.28000E+06	4.85003E+07
75 049 1120	75 055 1120	568.0	3.69000E+06	2.19929E+07
75 055 1120	75 062 1135	425.0	4.76000E+06	2.12277E+07
75 062 1135	75 069 1120	547.0	2.68000E+06	1.53826E+07
75 069 1120	75 076 1205	1290.0	1.37000E+07	1.85446E+08
75 076 1205	75 083 1240	1470.0	2.61000E+07	4.02592E+08
75 083 1240	75 090 1130	561.0	1.09000E+07	6.41647E+07
75 090 1130	75 097 1125	507.0	6.59000E+06	3.50591E+07
75 097 1125	75 104 1125	213.0	5.47000E+06	1.22257E+07
75 104 1125	75 111 1105	259.0	7.82000E+06	2.12527E+07
75 111 1105	75 118 1110	658.0	1.09000E+07	7.52592E+07
75 118 1110	75 125 1150	660.0	1.77000E+07	1.22581E+08
75 125 1150	75 132 1055	369.0	8.35000E+06	3.23311E+07
75 132 1055	75 139 1100	741.0	8.81000E+06	6.85017E+07
75 139 1100	75 147 1055	.	3.53000E+06	.
75 147 1055	75 153 1045	1820.0	2.79000E+06	5.32823E+07
75 153 1045	75 160 1055	1360.0	4.53000E+06	6.46464E+07
75 160 1055	75 167 1030	1440.0	4.32000E+06	6.52760E+07
75 167 1030	75 174 1020	1990.0	3.81000E+06	7.95582E+07
75 174 1020	75 181 .	.	1.74000E+06	.
75 181 .	75 188 1015	.	8.92000E+05	.
75 188 1015	75 195 1050	3660.0	2.37000E+07	9.10199E+08
75 195 1050	75 202 .	1780.0	1.14000E+07	2.12928E+08
75 202 .	75 209 1145	863.0	2.58000E+06	2.33635E+07
75 209 1145	75 216 1020	2380.0	1.71000E+06	4.27051E+07
75 216 1020	75 223 1055	1360.0	1.37000E+06	1.95509E+07
75 223 1055	75 230 1130	5430.0	5.59000E+06	3.18507E+08
75 230 1130	75 237 1013	.	7.39000E+05	.
75 237 1013	75 244 0930	.	4.93000E+06	.
75 244 0930	75 251 1040	13800	2.62000E+06	3.79391E+08
75 251 1100	75 258 1100	1900.0	7.00000E+05	1.39559E+07
75 258 1100	75 265 1100	14800	1.72000E+06	2.57114E+08
75 265 1100	75 272 1040	7330.0	5.13000E+07	3.94574E+09
75 272 1040	75 280 0850	1160.0	6.10000E+06	7.42497E+07
75 280 0850	75 287 0855	.	8.64000E+06	.
75 287 0855	75 293 0900	1100.0	1.01000E+07	1.16579E+08
75 293 0900	75 301 1005	779.0	6.64000E+06	5.42766E+07
75 301 1005	75 307 0850	685.0	4.20000E+06	3.01889E+07
75 307 0850	75 314 1250	631.0	4.12000E+06	2.72793E+07
75 314 1250	75 321 1155	1750.0	1.06000E+07	1.94648E+08
75 321 1155	75 328 1040	1060.0	4.86000E+06	5.40567E+07
75 328 1040	75 335 1055	1000.0	3.91000E+06	4.10283E+07

WEIR 106 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
WINTER 1975		677.0	4.27400E+07	3.15658E+08
SPRING 1975		757.9	1.25340E+08	1.08808E+09
SUMMER 1975		2251.4	6.73110E+07	1.73673E+09
FALL 1975		3832.9	1.15510E+08	5.19851E+09
TOTAL 1975		1970.0	3.50901E+08	8.33898E+09

WFIR 106 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1055	75 342 1010	354.0	3.49000E+06	1.29639E+07
75 342 1010	75 349 1105	346.0	4.30000E+06	1.56118E+07
75 349 1105	75 356 0925	1360.0	2.92000E+06	4.16705E+07
75 356 0925	75 363 1015	.	6.42000E+06	.
75 363 1015	76 005 1040	1500.0	3.50000E+07	5.50892E+08
76 005 1040	76 012 0915	1040.0	1.36000E+07	1.48416E+08
76 012 0915	76 019 1035	.	6.89000E+06	.
76 019 1035	76 026 1013	.	4.59000E+06	.
76 026 1013	76 033 1545	1950.0	2.82000E+07	5.77020E+08
76 033 1545	76 040 0932	.	1.04000E+07	.
76 040 0932	76 047 0810	.	7.46000E+06	.
76 047 0810	76 054 0935	.	7.61000E+06	.
76 054 0935	76 061 0925	.	5.62000E+06	.
76 061 0925	76 068 1000	.	4.99000E+06	.
76 068 1000	76 075 1015	667.0	1.04000E+07	7.27891E+07
76 075 1015	76 082 0950	.	7.29000E+06	.
76 082 0950	76 089 1015	.	5.60000E+06	.
76 089 1015	76 096 1000	.	1.09000E+07	.
76 096 1000	76 103 0957	.	5.19000E+06	.
76 103 0957	76 110 0955	.	3.79000E+06	.
76 110 0955	76 117 0905	.	3.00000E+06	.
76 117 0905	76 124 0937	1350.0	4.90000E+06	6.94124E+07
76 124 0937	76 131 0910	686.0	1.83000E+06	1.31729E+07
76 131 0910	76 138 0905	739.0	1.45000E+06	1.12440E+07
76 138 0905	76 145 0905	902.0	1.50000E+06	1.41973E+07
76 145 0905	76 153 0920	1150.0	3.00000E+06	3.62015E+07
76 153 0920	76 159 0852	862.0	9.82000E+05	8.88231E+06
76 159 0852	76 166 0850	912.0	1.49000E+05	1.42590E+06
76 166 0850	76 173 0950	.	1.33000E+06	.
76 173 0950	76 180 1000	1390.0	1.39000E+05	2.02739E+06
76 180 1000	76 188 0900	1850.0	1.19000E+05	2.31007E+06
76 188 0900	76 194 0900	.	2.60000E+05	.
76 194 0900	76 201 0915	.	1.59000E+06	.
76 201 0915	76 208 0925	.	2.87000E+04	.
76 208 0925	76 215 0950	.	1.76000E+05	.
76 215 0950	76 222 0930	2220.0	9.15000E+06	2.13148E+08
76 222 0930	76 229 1000	859.0	4.24000E+06	3.82178E+07
76 229 1000	76 236 0933	530.0	5.50000E+05	3.05876E+06
76 236 0933	76 243 0940	1810.0	1.64000E+05	3.11480E+06
76 243 0940	76 251 0945	.	2.58000E+04	.
76 257 0915	76 264 0940	.	2.46000E+05	.
76 271 0940	76 278 0945	720.0	1.54000E+06	1.16348E+07
76 278 0945	76 286 1000	1300.0	6.77000E+06	9.23505E+07
76 286 1000	76 292 0955	391.0	1.43000E+06	5.86705E+06
76 292 0955	76 300 0950	.	1.22000E+07	.
76 300 0950	76 306 1020	722.0	7.84000E+06	5.93964E+07
76 306 1020	76 313 1040	534.0	3.62000E+06	2.02842E+07

WEIR 106 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 313 1040	76 320 1017	235.0	2.12000E+06	5.22770E+06
76 320 1017	76 327 1030	422.0	1.73000E+06	7.66065E+06
76 327 1030	76 334 1205	488.0	1.86000E+06	9.52445E+09
WINTER 1976		1091.7	1.36500E+08	1.34657E+09
SPRING 1976		915.7	6.38400E+07	2.17017E+08
SUMMER 1976		1304.1	1.88777E+07	2.72185E+08
FALL 1976		601.5	3.93818E+07	2.11946E+08
TOTAL 1976		974.6	2.58600E+08	2.04772E+09

WEIR 107 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1500	74 343 1400	1200.0	1.18000E+06	5.02128E+07
74 343 1400	74 350 1610	1010.0	1.53000E+06	5.47979E+07
74 350 1610	74 357 1345	737.0	1.08000E+06	2.82255E+07
74 357 1345	74 364 1330	.	5.51000E+05	.
74 364 1330	75 006 1000	.	5.93000E+05	.
75 006 1000	75 013 1600	1130.0	2.58000E+06	1.03383E+08
75 013 1600	75 021 1220	806.0	2.94000E+06	8.40298E+07
75 021 1220	75 027 1020	533.0	2.34000E+06	4.42277E+07
75 027 1020	75 034 0955	355.0	1.80000E+06	2.26596E+07
75 034 0955	75 041 1030	428.0	4.05000E+06	6.14681E+07
75 041 1030	75 049 1025	536.0	3.04000E+06	5.77816E+07
75 049 1025	75 055 1020	615.0	1.74000E+06	3.79468E+07
75 055 1020	75 062 1040	537.0	2.43000E+06	4.62734E+07
75 062 1040	75 069 1000	384.0	1.45000E+06	1.97447E+07
75 069 1120	75 076 1045	1150.0	6.52000E+06	2.65887E+08
75 076 1045	75 083 1110	1480.0	7.84000E+06	4.11461E+08
75 083 1110	75 090 1030	666.0	4.25000E+06	1.00372E+08
75 090 1030	75 097 1025	649.0	3.49000E+06	8.03195E+07
75 097 1025	75 104 .	418.0	2.05000E+06	3.03865E+07
75 104 .	75 111 1015	753.0	2.28000E+06	6.08809E+07
75 111 1015	75 118 1005	1100.0	2.40000E+06	9.36170E+07
75 118 1005	75 125 1045	1270.0	4.05000E+06	1.82394E+08
75 125 1045	75 132 1000	593.0	2.93000E+06	6.16131E+07
75 132 1000	75 139 0950	867.0	3.73000E+06	1.14678E+08
75 139 0950	75 147 0950	.	1.61000E+06	.
75 147 0950	75 153 0945	2600.0	1.15000E+06	1.06028E+08
75 153 0945	75 160 0940	.	1.06000E+06	.
75 160 0940	75 167 0935	2350.0	9.51000E+05	7.92500E+07
75 167 0935	75 174 1107	8490.0	9.19000E+05	2.76678E+08
75 174 1107	75 181 .	.	4.55000E+05	.
75 181 .	75 188 0910	.	2.42000E+05	.
75 188 0910	75 195 0955	2180.0	4.22000E+06	3.26227E+08
75 195 0955	75 202 1000	1450.0	3.68000E+06	1.89220E+08
75 202 1000	75 209 1015	668.0	1.49000E+06	3.52950E+07
75 209 1015	75 216 .	.	6.43000E+05	.
75 216 .	75 223 1000	.	7.57000E+05	.
75 223 1000	75 230 1045	2810.0	8.28000E+05	8.25064E+07
75 230 1045	75 237 0908	.	4.52000E+05	.
75 237 0908	75 244 0855	.	8.49000E+05	.
75 244 0855	75 251 0935	.	8.00000E+05	.
75 251 1000	75 258 1000	.	4.49000E+05	.
75 258 1015	75 265 1015	.	.	.
75 265 1015	75 272 0950	1360.0	.	.
WINTER 1975		717.0	2.58540E+07	5.91006E+08
SPRING 1975		994.2	4.37500E+07	1.52738E+09

WEIR 107 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
SUMMER 1975		2991.3	1.65460E+07	9.89176E+08
FALL 1975		1360.0	1.24900E+06	.
TOTAL 1975		1304.2	8.73990E+07	3.10756E+09

WEIR 107 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 154 1630	76 159 0810	504.0	4.16000E+05	7.43489E+06
76 159 0810	76 166 0750	531.0	3.55000E+05	6.68457E+06
76 166 0750	76 173 0850	1080.0	8.08000E+05	3.09447E+07
76 173 0850	76 180 0840	858.0	2.81000E+05	8.54957E+06
76 180 0840	76 188 0750	605.0	2.06000E+05	4.41950E+06
76 188 0750	76 194 0800	886.0	2.11000E+05	6.62929E+06
76 194 0800	76 201 0806	1330.0	6.72000E+05	3.16936E+07
76 201 0806	76 208 0805	686.0	1.41000E+05	3.43000E+06
76 208 0805	76 215 0845	1010.0	9.69000E+04	3.47053E+06
76 215 0845	76 222 0820	2740.0	1.43000E+06	1.38943E+08
76 222 0820	76 229 0850	2920.0	9.24000E+05	9.56766E+07
76 229 0850	76 236 0812	510.0	1.90000E+05	3.43617E+06
76 236 0812	76 243 0840	632.0	6.83000E+04	1.53070E+06
76 243 0840	76 251 0815	1680.0	2.20000E+03	1.31064E+05
76 257 0825	76 264 0830	599.0	6.19000E+04	1.31483E+06
76 264 0830	76 271 0840	745.0	0.00000E+00	0.00000E+00
76 271 0840	76 278 0840	586.0	5.19000E+05	1.07849E+07
76 278 0840	76 286 0900	821.0	1.70000E+06	4.94929E+07
76 286 0900	76 292 0840	470.0	4.63000E+05	7.71667E+06
76 292 0840	76 300 0900	207.0	2.40000E+06	1.76170E+07
76 300 0900	76 306 0930	394.0	1.88000E+06	2.62667E+07
76 306 0930	76 313 0940	245.0	9.90000E+05	8.60106E+06
76 313 0940	76 320 0910	240.0	6.96000E+05	5.92340E+06
76 320 0910	76 327 0930	277.0	5.82000E+05	5,71681E+06
76 327 0930	76 334 1040	279,0	3.91000E+05	3,86840E+06
WINTER 1976		.	.	.
SPRING 1976		.	.	.
SUMMER 1976		1099.4	5.79920E+06	3.42843E+08
FALL 1976		545.3	9.68510E+06	1.37434E+08
TOTAL 1976		833.4	1.54843E+07	4.80277E+08

WEIR 108 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1200	74 343 1220	698.0	6.50000E+06	3.01662E+07
74 343 1220	74 350 1325	875.0	7.07000E+06	4.11320E+07
74 350 1325	74 357 1120	790.0	8.92000E+06	4.68537E+07
74 357 1120	74 364 1110	284.0	2.57000E+06	4.85293E+06
74 364 1110	75 006 1315	170.0	3.18000E+06	3.59441E+06
75 006 1315	75 013 1245	352.0	6.23000E+06	1.45809E+07
75 013 1245	75 020 1110	449.0	1.15000E+07	3.43318E+07
75 020 1110	75 027 1240	435.0	1.05000E+07	3.03690E+07
75 027 1240	75 034 1340	224.0	6.94000E+06	1.03362E+07
75 034 1340	75 041 1340	359.0	1.27000E+07	3.03145E+07
75 041 1340	75 049 1455	518.0	1.06000E+07	3.65080E+07
75 049 1455	75 055 1345	565.0	6.55000E+06	2.46061E+07
75 055 1345	75 062 1340	424.0	8.26000E+06	2.32862E+07
75 062 1340	75 069 1230	307.0	5.57000E+06	1.13696E+07
75 069 1230	75 076 1445	734.0	4.41000E+07	2.15222E+08
75 076 1445	75 083 1500	798.0	3.64000E+07	1.93133E+08
75 083 1500	75 090 1405	571.0	2.49000E+07	9.45339E+07
75 090 1405	75 097 1510	439.0	1.12000E+07	3.26915E+07
75 097 1510	75 104 1525	325.0	8.94000E+06	1.93185E+07
75 104 1525	75 111 1530	318.0	1.20000E+07	2.53723E+07
75 111 1530	75 118 1500	565.0	1.22000E+07	4.58311E+07
75 118 1500	75 125 1545	682.0	2.28000E+07	1.03388E+08
75 125 1545	75 132 1545	506.0	1.93000E+07	6.49322E+07
75 132 1545	75 139 1440	602.0	1.19000E+07	4.76316E+07
75 139 1440	75 147 1415	534.0	9.20000E+06	3.26649E+07
75 147 1415	75 153 1630	1060.0	9.92000E+06	6.99149E+07
75 153 1630	75 160 1510	842.0	6.59000E+06	3.68935E+07
75 160 1510	75 167 1400	1050.0	6.61000E+06	4.61469E+07
75 167 1400	75 174 1300	1760.0	4.48000E+06	5.24255E+07
75 174 1300	75 181 .	1560.0	1.95000E+06	2.02261E+07
75 181 .	75 188 1230	920.0	6.73000E+05	4.11676E+06
75 188 1230	75 195 1515	2320.0	4.57000E+07	7.04947E+08
75 195 1515	75 202 1440	634.0	2.51000E+07	1.05807E+08
75 202 1440	75 209 1330	610.0	6.67000E+06	2.70525E+07
75 209 1330	75 216 .	811.0	2.61000E+06	1.40739E+07
75 216 .	75 223 1400	704.0	6.27000E+06	2.93489E+07
75 223 1400	75 230 1515	695.0	8.58000E+06	3.96483E+07
75 230 1515	75 237 1345	429.0	1.56000E+06	4.44973E+06
75 237 1345	75 244 1155	1470.0	9.72000E+06	9.50027E+07
75 244 1155	75 251 1325	739.0	4.44000E+06	2.18162E+07
75 251 1325	75 258 1445	670.0	1.63000E+06	7.26130E+06
75 258 1445	75 265 1440	822.0	3.49000E+06	1.90743E+07
75 265 1440	75 272 1415	1020.0	1.14000E+08	7.73138E+08
75 272 1415	75 280 1150	847.0	1.32000E+07	7.43378E+07
75 280 1150	75 287 1220	810.0	2.13000E+07	1.14714E+08
75 287 1220	75 293 1145	728.0	1.72000E+07	8.32553E+07
75 293 1145	75 301 1210	1360.0	1.32000E+07	1.19362E+08

WEIR 108 1975 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1210	75 307 1320	588.0	8.68000E+06	3.39351E+07
75 307 1320	75 314 1545	536.0	8.49000E+06	3.02569E+07
75 314 1545	75 322 1255	1260.0	2.23000E+07	1.86822E+08
75 322 1255	75 328 1540	575.0	8.63000E+06	3.29937E+07
75 328 1540	75 335 1520	573.0	8.23000E+06	3.13550E+07
WINTER 1975		472.5	1.01520E+08	3.30932E+08
SPRING 1975		572.4	2.28430E+08	9.56004E+08
SUMMER 1975		1061.9	1.26513E+08	1.18014E+09
FALL 1975		809.8	2.44790E+08	1.52832E+09
TOTAL 1975		729.2	7.01253E+08	3.99540E+09

WEIR 108 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1520	75 342 1400	851.0	7.60000E+06	4.30027E+07
75 342 1400	75 349 1515	691.0	8.45000E+06	3.88228E+07
75 349 1515	75 356 1130	809.0	6.45000E+06	3.46945E+07
75 356 1130	75 363 1300	1200.0	1.29000E+07	1.02926E+08
75 363 1300	76 005 1430	1170.0	6.84000E+07	5.32101E+08
76 005 1430	76 012 1415	.	4.48000E+07	.
76 012 1415	76 019 1400	1010.0	1.55000E+07	1.04089E+08
76 019 1400	76 026 1500	.	1.25000E+07	.
76 026 1500	76 033 1450	1120.0	7.20000E+07	5.36170E+08
76 033 1450	76 040 1515	1310.0	2.41000E+07	2.09914E+08
76 040 1515	76 047 1125	959.0	1.43000E+07	9.11815E+07
76 047 1125	76 054 1430	1340.0	1.44000E+07	1.28298E+08
76 054 1430	76 061 1325	1180.0	1.11000E+07	8.70878E+07
76 061 1325	76 068 1340	1600.0	1.01000E+07	1.07447E+08
76 068 1340	76 075 1305	1550.0	1.76000E+07	1.81383E+08
76 075 1305	76 082 1445	1120.0	1.25000E+07	9.30851E+07
76 082 1445	76 089 1315	1170.0	1.04000E+07	8.09043E+07
76 089 1315	76 096 1415	1550.0	1.81000E+07	1.86536E+08
76 096 1415	76 103 1318	.	9.90000E+06	.
76 103 1318	76 110 1340	755.0	8.16000E+06	4.09628E+07
76 110 1340	76 117 1307	977.0	6.78000E+06	4.40430E+07
76 117 1307	76 124 1330	966.0	9.58000E+06	6.15311E+07
76 121 1500	76 124 1330	1940.0	.	.
76 124 1330	76 131 1235	838.0	4.33000E+06	2.41259E+07
76 131 1235	76 138 1340	1950.0	4.11000E+06	5.32879E+07
76 138 1340	76 145 1310	992.0	4.61000E+06	3.04064E+07
76 145 1310	76 153 1320	2730.0	7.07000E+06	1.28332E+08
76 153 1320	76 159 1345	1110.0	1.71000E+06	1.26203E+07
76 159 1345	76 166 1345	2090.0	3.47000E+05	4.82201E+06
76 166 1345	76 173 1425	1880.0	1.28000E+07	1.60000E+08
76 173 1425	76 180 1400	1190.0	6.33000E+05	5.00844E+06
76 188 1300	76 194 1308	5940.0	5.86000E+05	2.31439E+07
76 194 1308	76 201 1300	4020.0	5.80000E+06	1.55027E+08
76 201 1300	76 208 1325	970.0	4.28000E+03	2.76037E+04
76 208 1325	76 215 1315	1990.0	8.47000E+04	1.12070E+06
76 215 1315	76 222 1305	3450.0	6.63000E+06	1.52084E+08
76 222 1305	76 229 1325	1070.0	6.59000E+06	4.68836E+07
76 229 1325	76 236 1235	423.0	4.80000E+05	1.35000E+06
76 236 1235	76 243 1255	800.0	4.94000E+05	2.62766E+06
76 243 1255	76 251 1330	433.0	3.30000E+02	9.50066E+02
76 251 1330	76 257 1340	1170.0	0.00000E+00	0.00000E+00
76 257 1340	76 264 1305	608.0	4.84000E+05	1.95660E+06
76 264 1305	76 271 1330	783.0	0.00000E+00	0.00000E+00
76 271 1330	76 278 1340	694.0	3.91000E+06	1.80422E+07
76 278 1340	76 286 1350	1450.0	1.69000E+07	1.62932E+08
76 286 1350	76 292 1320	385.0	1.59000E+06	4.07015E+06
76 292 1320	76 300 1330	780.0	2.43000E+07	1.26024E+08

WEIR 108 1976 TOTAL NITROGEN
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 300 1330	76 306 1505	393.0	1.51000E+07	8.96562E+07
76 306 1505	76 313 1455	449.0	6.31000E+06	1.88377E+07
76 313 1455	76 320 1335	83.0	4.41000E+06	2.43371E+06
76 320 1335	76 327 1400	193.0	3.81000E+06	4.88916E+06
76 327 1400	76 334 1555	180.0	4.20000E+06	5.02660E+06
WINTER 1976		1058.0	3.12500E+08	1.90829E+09
SPRING 1976		1290.0	1.23200E+08	1.05970E+09
SUMMER 1976		3204.0	3.61600E+07	7.70310E+08
FALL 1976		623.1	8.10100E+07	5.62088E+08
TOTAL 1976		1279.8	5.52900E+08	4.33869E+08

WEIR 101 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1030	74 343 1045	186.0	8.94000E+06	7.36096E+06
74 343 1045	74 350 1130	298.0	7.26000E+06	9.57716E+06
74 350 1130	74 357 1000	213.0	1.39000E+07	1.31062E+07
74 357 1000	74 364 0925	110.0	4.92000E+06	2.39575E+06
74 364 0925	75 006 1115	70.0	5.46000E+06	1.69190E+06
75 006 1115	75 013 1100	108.0	1.23000E+07	5.88048E+06
75 013 1100	75 020 1000	121.0	1.84000E+07	9.85569E+06
75 020 1000	75 027 1105	88.0	1.65000E+07	6.42762E+06
75 027 1105	75 034 1145	53.0	1.18000E+07	2.76848E+06
75 034 1145	75 041 1240	112.0	2.04000E+07	1.01142E+07
75 041 1240	75 049 1340	49.0	1.67000E+07	3.62240E+06
75 049 1340	75 055 1205	60.0	1.02000E+07	2.70916E+06
75 055 1205	75 062 1225	110.0	1.33000E+07	6.47632E+06
75 062 1225	75 069 1210	88.0	8.99000E+06	3.50208E+06
75 069 1210	75 076 1320	289.0	3.25000E+07	4.15781E+07
75 076 1320	75 083 1345	1510.0	5.73000E+07	3.83015E+08
75 083 1340	75 090 1245	252.0	3.10000E+07	3.45817E+07
75 090 1245	75 097 1215	141.0	1.74000E+07	1.08606E+07
75 097 1215	75 104 1210	55.0	1.25000E+07	3.04338E+06
75 104 1210	75 111 1205	149.0	1.70000E+07	1.12129E+07
75 111 1205	75 118 1205	229.0	1.86000E+07	1.88552E+07
75 118 1205	75 125 1305	146.0	3.08000E+07	1.99062E+07
75 125 1305	75 132 1135	234.0	2.27000E+07	2.35139E+07
75 132 1135	75 139 1150	191.0	2.22000E+07	1.87703E+07
75 139 1150	75 147 1130	281.0	1.18000E+07	1.46782E+07
75 147 1130	75 153 1355	231.0	7.37000E+06	7.53639E+06
75 153 1355	75 160 1150	243.0	6.23000E+06	6.70159E+06
75 160 1150	75 167 .	106.0	5.45000E+06	2.55733E+06
75 167 .	75 174 1125	653.0	6.64000E+06	1.91940E+07
75 174 1125	75 181 .	.	1.94000E+06	.
75 181 .	75 188 1045	.	9.94000E+05	.
75 188 1045	75 195 1220	539.0	3.78000E+07	9.01912E+07
75 195 1220	75 202 1140	582.0	2.82000E+07	7.26534E+07
75 202 1140	75 209 1205	295.0	8.55000E+06	1.11653E+07
75 209 1205	75 216 1100	410.0	4.55000E+06	8.25808E+06
75 216 1100	75 223 1130	364.0	6.08000E+06	9.79690E+06
75 223 1130	75 230 1200	676.0	1.34000E+07	4.00992E+07
75 230 1200	75 237 1105	215.0	4.09000E+06	3.89265E+06
75 237 1105	75 244 1020	615.0	1.07000E+07	2.91301E+07
75 244 1020	75 251 1130	169.0	9.93000E+06	7.42882E+06
75 251 1130	75 258 1145	.	3.72000E+06	.
75 258 1145	75 265 1150	357.0	5.27000E+06	8.32842E+06
75 265 1150	75 272 1200	933.0	8.27000E+07	3.41563E+08
75 272 1200	75 280 0925	47.0	1.84000E+07	3.82824E+06
75 280 0925	75 287 0920	324.0	2.45000E+07	3.51394E+07
75 287 0920	75 293 0950	283.0	2.20000E+07	2.75609E+07
75 293 0950	75 301 1040	155.0	1.71000E+07	1.17331E+07

WEIR 101 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1040	75 307 1040	92.0	1.12000E+07	4.56131E+06
75 307 1040	75 314 1330	97.0	1.15000E+07	4.93803E+06
75 314 1330	75 321 0920	235.0	2.55000E+07	2.65272E+07
75 321 0920	75 328 1150	98.0	1.34000E+07	5.81319E+06
75 328 1150	75 335 1145	106.0	1.07000E+07	5.02081E+06
WINTER 1975		121.4	1.60080E+08	8.19864E+07
SPRING 1975		292.0	2.90160E+08	5.91054E+08
SUMMER 1975		427.1	1.34624E+08	2.93640E+08
FALL 1975		241.3	2.55920E+08	4.82442E+08
TOTAL 1975		264.7	8.40784E+08	1.44912E+09

WEIR 101 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1145	75 342 1050	65.0	9.95000E+06	2.86299E+06
75 342 1050	75 349 1145	77.0	1.16000E+07	3.95396E+06
75 349 1145	75 356 1000	83.0	8.62000E+06	3.16715E+06
75 356 1000	75 363 1110	100.0	1.62000E+07	7.17131E+06
75 363 1110	76 005 1130	473.0	7.67000E+07	1.60598E+08
76 005 1130	76 012 1100	.	3.71000E+07	.
76 012 1100	76 019 1205	87.0	2.02000E+07	7.77955E+06
76 019 1205	76 026 1050	70.0	1.44000E+07	.
76 026 1050	76 033 1205	541.0	6.17000E+07	1.47763E+08
76 033 1205	76 040 1038	106.0	2.78000E+07	1.30447E+07
76 040 1038	76 047 0900	81.0	1.97000E+07	7.06375E+06
76 047 0900	76 054 1020	143.0	1.96000E+07	1.24073E+07
76 054 1020	76 061 1000	82.0	1.54000E+07	5.59008E+06
76 061 1000	76 068 1040	50.0	1.34000E+07	2.96591E+06
76 068 1040	76 075 1058	148.0	2.66000E+07	1.74272E+07
76 075 1058	76 082 1050	167.0	1.92000E+07	1.41939E+07
76 082 1050	76 089 1050	136.0	1.44000E+07	8.66932E+06
76 089 1050	76 096 1045	348.0	2.79000E+07	4.29801E+07
76 096 1045	76 103 1033	93.0	1.44000E+07	5.92829E+06
76 103 1033	76 110 1040	121.0	1.07000E+07	5.73130E+06
76 110 1040	76 117 0950	.	8.20000E+06	.
76 117 0950	76 124 1017	174.0	1.26000E+07	9.70518E+06
76 124 1017	76 131 0945	128.0	6.31000E+06	3.57539E+06
76 131 0945	76 138 0945	124.0	4.82000E+06	2.64577E+06
76 138 0945	76 145 0945	171.0	4.54000E+06	3.43665E+06
76 145 0945	76 153 0955	245.0	8.00000E+06	8.67641E+06
76 153 0955	76 159 1015	139.0	2.51000E+06	1.54444E+06
76 159 1015	76 166 0947	247.0	9.74000E+05	1.06498E+06
76 166 0947	76 173 1020	425.0	3.75000E+06	7.05511E+06
76 173 1020	76 180 1045	345.0	7.90000E+05	1.20651E+06
76 180 1045	76 188 0950	648.0	8.14000E+05	2.33498E+06
76 188 0950	76 194 0950	510.0	1.13000E+06	2.55113E+06
76 194 0950	76 201 0950	553.0	4.65000E+06	1.13831E+07
76 201 0950	76 208 1000	228.0	4.40000E+05	4.44090E+05
76 208 1000	76 215 1100	460.0	7.20000E+05	1.46614E+06
76 215 1100	76 222 1012	1280.0	8.27000E+06	4.68597E+07
76 222 1012	76 229 1040	1130.0	1.16000E+07	5.80257E+07
76 229 1040	76 236 1010	218.0	3.03000E+06	2.92404E+06
76 236 1010	76 243 1015	349.0	1.44000E+06	2.22470E+06
76 243 1015	76 251 1027	309.0	2.15000E+05	2.94090E+05
76 251 1027	76 257 0950	341.0	1.23000E+05	1.85671E+05
76 251 1027	76 257 0950	.	.	.
76 251 1027	76 257 0950	.	.	.
76 257 0950	76 264 1000	274.0	2.26000E+06	2.74121E+06
76 264 1000	76 271 1020	191.0	4.53000E+05	3.83015E+05
76 271 1020	76 278 1040	324.0	7.69000E+06	1.10295E+07
76 278 1040	76 286 1110	287.0	1.92000E+07	2.43931E+07

WEIR 101 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 286 1110	76 292 1040	112.0	4.16000E+06	2.06251E+06
76 292 1040	76 300 1105	326.0	3.04000E+07	4.38707E+07
76 300 1105	76 306 1120	127.0	2.27000E+07	1.27618E+07
76 300 1105	76 306 1120	58.0	.	.
76 306 1120	76 313 1125	66.0	1.36000E+07	3.97344E+06
76 313 1125	76 320 1105	84.0	8.62000E+06	3.20531E+06
76 320 1105	76 327 1130	57.0	7.13000E+06	1.79907E+06
76 327 1130	76 334 1300	90.0	6.76000E+06	2.69323E+06
WINTER 1976		167.1	3.38970E+08	3.71402E+08
SPRING 1976		158.7	1.71070E+08	1.25935E+08
SUMMER 1976		502.5	4.01180E+07	1.39085E+08
FALL 1976		189.0	1.23311E+08	1.09393E+08
TOTAL 1976		258.4	6.73469E+08	7.45815E+08

WEIR 102 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1055	74 343 1105	122.0	8.29000E+06	5.27310E+06
74 343 1105	74 350 1215	95.0	6.21000E+06	3.07586E+06
74 350 1215	74 357 1020	260.0	1.27000E+07	1.72158E+07
74 357 1020	74 364 1015	45.0	5.23000E+06	1.22706E+06
74 364 1025	75 006 1140	47.0	4.35000E+06	1.06595E+06
75 006 1140	75 013 1125	35.0	1.12000E+07	2.04380E+06
75 013 1125	75 020 1020	112.0	1.78000E+07	1.03942E+07
75 020 1020	75 027 1135	30.0	1.78000E+07	2.78415E+06
75 027 1135	75 034 1205	29.0	1.05000E+07	1.58759E+06
75 034 1255	75 041 1300	110.0	1.92000E+07	1.10115E+07
75 041 1300	75 049 1350	31.0	1.54000E+07	2.48905E+06
75 049 1350	75 055 1220	37.0	9.00000E+06	1.73618E+06
75 055 1220	75 062 1240	61.0	1.16000E+07	3.68926E+06
75 062 1240	75 069 1415	31.0	6.64000E+06	1.07320E+06
75 069 1415	75 076 1330	321.0	3.18000E+07	5.32211E+07
75 076 1330	75 083 1400	303.0	6.04000E+07	9.54181E+07
75 083 1400	75 090 1300	110.0	2.56000E+07	1.46820E+07
75 090 1300	75 097 1240	54.0	1.34000E+07	3.77268E+06
75 097 1240	75 104 1225	37.0	9.38000E+06	1.80949E+06
75 104 1225	75 111 1225	74.0	1.36000E+07	5.24713E+06
75 111 1225	75 118 1225	94.0	1.55000E+07	7.59645E+06
75 118 1225	75 125 1320	30.0	2.88000E+07	4.50469E+06
75 125 1320	75 132 1150	86.0	2.09000E+07	9.37122E+06
75 132 1150	75 139 1205	71.0	2.03000E+07	7.51460E+06
75 139 1205	75 147 1150	.	8.91000E+06	.
75 147 1150	75 153 1400	265.0	5.75000E+06	7.94447E+06
75 153 1400	75 160 1210	.	4.05000E+06	.
75 160 1210	75 167 1130	210.0	3.66000E+06	4.00730E+06
75 167 1130	75 174 1135	208.0	5.84000E+06	6.33326E+06
75 174 1135	75 181 .	.	1.05000E+06	.
75 181 .	75 188 1055	.	1.10000E+05	.
75 188 1055	75 195 1240	592.0	4.92000E+07	1.51858E+08
75 195 1240	75 202 1200	404.0	2.68000E+07	5.64505E+07
75 202 1200	75 209 1245	248.0	6.30000E+06	8.14599E+06
75 209 1245	75 216 1115	347.0	4.15000E+06	7.50808E+06
75 216 1115	75 223 1140	114.0	3.90000E+06	2.31804E+06
75 223 1140	75 230 1220	569.0	1.73000E+07	5.13227E+07
75 230 1220	75 237 1120	.	2.62000E+06	.
75 237 1040	75 244 1040	400.0	1.04000E+07	2.16893E+07
75 244 1040	75 251 1145	215.0	7.60000E+06	8.51929E+06
75 251 1145	75 258 1200	145.0	2.58000E+06	1.95047E+06
75 258 1200	75 265 1205	184.0	3.69000E+06	3.53994E+06
75 265 1205	75 272 1230	560.0	9.24000E+07	2.69781E+08
75 272 1230	75 280 0940	165.0	1.26000E+07	1.08394E+07
75 280 0940	75 287 0940	207.0	1.89000E+07	2.03978E+07
75 287 0940	75 293 1010	258.0	1.68000E+07	2.25985E+07
75 293 1010	75 301 1055	238.0	1.26000E+07	1.56350E+07

WEIR 102 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1055	75 307 1050	192.0	8.76000E+06	8.76913E+06
75 307 1050	75 314 1345	180.0	7.61000E+06	7.14181E+06
75 314 1345	75 321 0940	312.0	2.33000E+07	3.79020E+07
75 321 0940	75 328 1205	189.0	1.09000E+07	1.07409E+07
75 328 1205	75 335 1200	206.0	8.14000E+06	8.74265E+06
WINTER 1975		78.0	1.49280E+08	6.35935E+07
SPRING 1975		123.0	2.60980E+08	2.12155E+08
SUMMER 1975		343.6	1.35380E+08	3.09633E+08
FALL 1975		234.7	2.25880E+08	4.26558E+08
TOTAL 1975		183.7	7.71520E+08	1.01194E+09

WEIR 102 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1200	75 342 1100	155.0	7.42000E+06	5.99635E+06
75 342 1100	75 349 1205	246.0	9.05000E+06	1.16074E+07
75 349 1205	75 356 1010	223.0	6.46000E+06	7.51084E+06
75 356 1010	75 363 1120	140.0	1.40000E+07	1.02190E+07
75 363 1120	76 005 1145	364.0	7.45000E+07	1.41387E+08
76 005 1145	76 012 1130	.	3.20000E+07	.
76 012 1130	76 019 1235	112.0	1.61000E+07	9.40146E+06
76 019 1235	76 026 1117	.	1.43000E+07	.
76 026 1117	76 033 1235	252.0	5.81000E+07	7.63358E+07
76 033 1235	76 040 1057	.	1.65000E+07	.
76 040 1057	76 047 0915	.	1.48000E+07	.
76 047 0915	76 054 1055	217.0	1.60000E+07	1.81022E+07
76 054 1055	76 061 1040	.	1.29000E+07	.
76 061 1040	76 068 1100	150.0	1.06000E+07	8.28989E+06
76 068 1100	76 075 1115	124.0	2.34000E+07	1.51283E+07
76 075 1115	76 082 1110	137.0	1.72000E+07	1.22857E+07
76 082 1110	76 089 1110	139.0	1.27000E+07	9.20386E+06
76 089 1110	76 096 1105	326.0	2.65000E+07	4.50417E+07
76 096 1105	76 103 1052	115.0	1.28000E+07	7.67466E+06
76 103 1052	76 110 1110	140.0	8.88000E+06	6.48175E+06
76 110 1110	76 117 1010	139.0	6.66000E+06	4.82659E+06
76 117 1010	76 124 1040	85.0	1.04000E+07	4.60897E+06
76 124 1040	76 131 1008	208.0	4.70000E+06	5.09698E+06
76 131 1008	76 138 1010	256.0	3.54000E+06	4.72492E+06
76 138 1010	76 145 1005	350.0	3.14000E+06	5.72993E+06
76 145 1005	76 153 1020	379.0	6.85000E+06	1.35357E+07
76 153 1020	76 159 1035	315.0	1.91000E+07	3.13686E+07
76 159 1035	76 166 1010	618.0	4.50000E+05	1.44995E+06
76 166 1010	76 173 1035	439.0	2.57000E+06	5.88233E+06
76 173 1035	76 180 1112	358.0	.	.
76 188 1030	76 194 1022	275.0	2.64000E+05	3.78519E+05
76 194 1022	76 201 1010	471.0	3.53000E+06	8.66856E+06
76 201 1010	76 208 1020	200.0	1.39000E+04	1.44943E+04
76 208 1020	76 215 1120	540.0	5.80000E+04	1.63295E+05
76 215 1120	76 222 1030	720.0	3.37000E+06	1.26507E+07
76 222 1030	76 229 1100	544.0	6.32000E+06	1.79253E+07
76 229 1100	76 236 1032	136.0	6.64000E+05	4.70824E+05
76 236 1032	76 243 1035	333.0	2.71000E+05	4.70506E+05
76 243 1035	76 251 1045	195.0	0.00000E+00	0.00000E+00
76 243 1035	76 251 1045	.	.	.
76 257 1010	76 264 1025	267.0	2.11000E+06	2.93728E+06
76 264 1025	76 271 1040	49.0	1.33000E+04	3.39781E+03
76 271 1040	76 278 1105	244.0	7.04000E+06	8.95600E+06
76 278 1105	76 286 1140	421.0	1.95000E+07	4.28024E+07
76 286 1140	76 292 1100	59.0	3.09000E+06	9.50521E+05
76 292 1100	76 300 1145	185.0	3.30000E+07	3.18300E+07
76 300 1145	76 306 1150	95.0	1.99000E+07	9.85662E+06

WEIR 102 1976 TOTAL PHOSPHOROUS --
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 306 1150	76 313 1153	48.0	1.04000E+07	2.60271E+06
76 313 1153	76 320 1125	48.0	6.09000E+06	1.52409E+06
76 320 1125	76 327 1145	157.0	5.07000E+06	4.15010E+06
76 327 1145	76 334 1320	90.0	5.02000E+06	2.35558E+06
WINTER 1976		213.6	2.92130E+08	2.80560E+08
SPRING 1976		196.0	1.47370E+08	1.42629E+08
SUMMER 1976		412.4	3.66109E+07	7.94431E+07
FALL 1976		154.8	1.11233E+08	1.07969E+08
TOTAL 1976		245.9	5.87344E+08	6.10601E+08

WEIR 103 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1120	74 343 1130	202.0	4.83000E+06	3.84724E+06
74 343 1130	74 350 1245	496.0	4.11000E+06	8.03849E+06
74 350 1245	74 357 1050	147.0	8.10000E+06	4.69519E+06
74 357 1050	74 364 1040	48.0	2.80000E+06	5.29968E+05
74 364 1040	75 006 1200		3.72000E+06	.
75 006 1200	75 013 1200	122.0	1.02000E+07	4.90694E+06
75 013 1200	75 020 1040	130.0	1.71000E+07	8.76577E+06
75 020 1040	75 027 1155	32.0	1.65000E+07	2.08202E+06
75 027 1155	75 034 1400	37.0	9.57000E+06	1.39625E+06
75 034 1400	75 041 1455	70.0	2.09000E+07	5.76893E+06
75 041 1455	75 049 1600	74.0	1.64000E+07	4.78549E+06
75 049 1600	75 055 1425	128.0	1.01000E+07	5.09779E+06
75 055 1425	75 062 1420	135.0	1.30000E+07	6.92035E+06
75 062 1420	75 069 1355	38.0	8.10000E+06	1.21372E+06
75 069 1355	75 076 1600	217.0	3.77000E+07	3.22591E+07
75 076 1600	75 083 1545	263.0	6.80000E+07	7.05205E+07
75 083 1545	75 090 1350	153.0	3.23000E+07	1.94870E+07
75 090 1350	75 097 1540	40.0	1.87000E+07	2.94953E+06
75 097 1540	75 104 1540	7.0	1.34000E+07	3.69874E+05
75 104 1540	75 111 1555	59.0	1.92000E+07	4.46688E+06
75 111 1555	75 118 1540	186.0	2.29000E+07	1.67957E+07
75 118 1540	75 125 1615	45.0	3.86000E+07	6.84937E+06
75 125 1615	75 132 1610	132.0	3.02000E+07	1.57192E+07
75 132 1610	75 139 1515	147.0	2.99000E+07	1.73316E+07
75 139 1515	75 147 .	54.0	1.48000E+07	3.15142E+06
75 147 1435	75 153 1705	313.0	1.01000E+07	1.24657E+07
75 153 1705	75 160 1540	157.0	7.29000E+06	4.51313E+06
75 160 1540	75 167 1505	360.0	6.65000E+06	9.44006E+06
75 167 1505	75 174 1245	258.0	1.25000E+07	1.27169E+07
75 174 1245	75 181 .	319.0	2.13000E+06	2.67930E+06
75 181 .	75 188 1310	.	3.92000E+05	.
75 188 1310	75 195 1600	418.0	4.75000E+07	7.82926E+07
75 195 1600	75 202 1515	564.0	2.91000E+07	6.47177E+07
75 202 1515	75 209 1400	162.0	7.22000E+06	4.61215E+06
75 209 1400	75 216 .	347.0	3.15000E+06	4.31013E+06
75 216 .	75 223 1450	143.0	4.09000E+06	2.30627E+06
75 223 1450	75 230 1530	477.0	1.15000E+07	2.16305E+07
75 230 1530	75 239 1040	259.0	7.61000E+06	7.77204E+06
75 239 1040	75 244 1220	523.0	5.51000E+06	1.13633E+07
75 244 1220	75 251 1415	169.0	4.30000E+06	2.86554E+06
75 251 1500	75 258 1500	133.0	2.32000E+06	1.21672E+06
75 258 1500	75 265 1500	.	3.03000E+06	.
75 265 1500	75 272 1445	266.0	8.88000E+07	9.31420E+07
75 272 1445	75 280 1220	194.0	1.65000E+07	1.26222E+07
75 280 1220	75 287 .	.	2.45000E+07	.
75 287 0940	75 293 1215	.	1.88000E+07	.
75 293 1215	75 301 1240	183.0	1.66000E+07	1.19787E+07

WEIR 103 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1240	75 307 .	.	1.16000E+07	.
75 307 1332	75 314 .	.	1.27000E+07	.
75 314 1605	75 322 1315	193.0	2.94000E+07	2.23746E+07
75 322 1515	75 328 1600	128.0	1.28000E+07	6.46057E+06
75 328 1600	75 335 1555	125.0	1.23000E+07	6.06270E+06
WINTER 1975		135.1	1.37330E+08	5.68344E+07
SPRING 1975		127.2	3.43900E+08	2.03580E+08
SUMMER 1975		332.2	1.44642E+08	2.24354E+08
FALL 1975		173.9	2.53650E+08	1.56723E+08
TOTAL 1975		192.3	8.79522E+08	6.41491E+08

WEIR 103 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1555	75 342 1430	84.0	1.13000E+07	3.74290E+06
75 342 1430	75 349 1542	62.0	1.35000E+07	3.30047E+06
75 349 1542	75 356 1210	98.0	9.74000E+06	3.76388E+06
75 356 1210	75 363 1330	97.0	1.89000E+07	7.22910E+06
75 363 1330	76 005 1500	582.0	8.25000E+07	1.89334E+08
76 005 1500	76 012 1500	.	4.10000E+07	.
76 012 1500	76 019 1430	62.0	2.28000E+07	5.57413E+06
76 019 1430	76 026 1525	.	1.84000E+07	.
76 026 1525	76 033 1525	526.0	7.02000E+07	1.45604E+08
76 033 1525	76 040 1605	.	3.16000E+07	.
76 040 1605	76 047 1150	140.0	2.27000E+07	1.25315E+07
76 047 1150	76 054 1510	226.0	2.41000E+07	2.14771E+07
76 054 1510	76 061 1400	93.0	1.91000E+07	7.00434E+06
76 061 1400	76 068 1420	175.0	1.78000E+07	1.22831E+07
76 068 1420	76 075 1545	154.0	3.35000E+07	2.03431E+07
76 075 1545	76 082 1510	154.0	2.51000E+07	1.52421E+07
76 082 1510	76 089 1400	175.0	1.97000E+07	1.35942E+07
76 089 1400	76 096 1505	185.0	3.43000E+07	2.50217E+07
76 096 1505	76 103 1435	130.0	1.92000E+07	9.84227E+06
76 103 1435	76 110 1440	211.0	1.50000E+07	1.24803E+07
76 110 1440	76 117 1515	90.0	1.24000E+07	4.40063E+06
76 117 1515	76 124 1525	100.0	1.80000E+07	7.09779E+06
76 124 1525	76 131 1450	160.0	8.14000E+06	5.13565E+06
76 131 1450	76 138 1500	152.0	6.03000E+06	3.61420E+06
76 138 1500	76 145 1430	246.0	5.93000E+06	5.75229E+06
76 145 1430	76 153 1500	379.0	1.28000E+07	1.91293E+07
76 153 1500	76 159 1455	142.0	3.17000E+06	1.77500E+06
76 159 1455	76 166 1530	298.0	9.57000E+05	1.12455E+06
76 166 1530	76 173 1537	270.0	2.20000E+06	2.34227E+06
76 173 1537	76 180 1522	181.0	4.77000E+05	3.40446E+05
76 188 1430	76 194 1430	494.0	0.00000E+00	0.00000E+00
76 194 1430	76 201 1500	305.0	2.44000E+06	2.93454E+06
76 201 1500	76 208 1435	767.0	3.66000E+03	1.10695E+04
76 208 1435	76 215 1435	875.0	8.32000E+04	2.87066E+05
76 215 1435	76 222 1445	.	9.32000E+05	.
76 222 1445	76 229 1500	444.0	8.02000E+06	1.40413E+07
76 229 1500	76 236 1410	150.0	6.57000E+05	3.88604E+05
76 236 1410	76 243 1415	137.0	2.85000E+02	1.53963E+02
76 257 1440	76 264 1425	541.0	3.07000E+06	6.54917E+06
76 264 1425	76 271 1445	107.0	7.73000E+00	3.26147E+00
76 271 1445	76 278 1520	516.0	6.74000E+06	1.37139E+07
76 278 1520	76 286 1506	446.0	1.62000E+07	2.84905E+07
76 286 1506	76 292 1445	98.0	3.45000E+06	1.33320E+06
76 292 1445	76 300 1450	376.0	3.51000E+07	5.20410E+07
76 300 1450	76 306 1630	90.0	2.08000E+07	7.38170E+06
76 306 1630	76 313 1620	61.0	1.31000E+07	3.15103E+06
76 313 1620	76 320 1455	15.0	9.12000E+06	5.39432E+05

WEIR 103 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 320 1455	76 327 1530	111.0	6.66000E+06	2.91506E+06
76 327 1530	76 334 1700	75.0	7.89000E+06	2.33340E+06
WINTER 1976		197.0	3.85840E+08	3.99561E+08
SPRING 1976		177.8	2.27900E+08	1.53937E+08
SUMMER 1976		369.4	1.89401E+07	2.32450E+07
FALL 1976		221.5	1.22130E+08	1.18448E+08
TOTAL 1976		239.6	7.54810E+08	6.95191E+08

WEIR 105 1975 TOTAL PHOSPHORDUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 006 1535	75 013 1500	74.0	2.15000E+06	4.24267E+06
75 013 1500	75 020 1150	56.0	3.43000E+06	5.12213E+06
75 020 1140	75 027 1320	6.0	3.41000E+06	5.45600E+05
75 027 1320	75 034 1035	.	1.91000E+06	.
75 034 1035	75 041 1130	34.0	3.92000E+06	3.55413E+06
75 041 1130	75 049 1100	36.0	2.94000E+06	2.82240E+06
75 049 1100	75 055 1100	34.0	1.74000E+06	1.57760E+06
75 055 1100	75 062 1120	62.0	2.33000E+06	3.85227E+06
75 062 1120	75 069 1050	.	1.50000E+06	.
75 069 1050	75 076 1150	104.0	6.44000E+06	1.78603E+07
75 076 1150	75 083 1220	280.0	1.22000E+07	9.10933E+07
75 083 1220	75 090 1110	77.0	5.53000E+06	1.13549E+07
75 090 1110	75 097 1110	35.0	2.83000E+06	2.64133E+06
75 097 1110	75 104 1105	36.0	1.82000E+06	1.74720E+06
75 104 1105	75 111 1050	69.0	2.65000E+06	4.87600E+06
75 111 1050	75 118 1100	96.0	3.19000E+06	8.16640E+06
75 118 1100	75 125 1130	96.0	5.68000E+06	1.45408E+07
75 125 1130	75 132 1040	67.0	3.77000E+06	6.73573E+06
75 132 1040	75 139 1040	102.0	4.08000E+06	1.10976E+07
75 139 1040	75 147 1035	.	1.66000E+06	.
75 147 1035	75 153 1030	344.0	1.08000E+06	9.90720E+06
75 153 1030	75 160 1030	.	6.12000E+05	.
75 160 1030	75 167 1010	.	5.28000E+05	.
75 167 1010	75 174 1040	.	2.88000E+05	.
75 174 1040	75 181 .	.	4.02000E+04	.
75 181 .	75 188 0945	.	1.17000E+04	.
75 188 0945	75 195 1040	452.0	8.64000E+06	1.04141E+08
75 195 1040	75 202 1030	129.0	4.77000E+06	1.64088E+07
75 202 1030	75 209 1100	105.0	1.10000E+06	3.08000E+06
75 209 1100	75 216 1005	358.0	5.06000E+05	4.83061E+06
75 216 1005	75 223 1040	535.0	3.96000E+05	5.64960E+06
75 223 1040	75 230 1120	350.0	1.50000E+06	1.40000E+07
75 230 1120	75 237 0956	.	1.85000E+05	.
75 237 0956	75 244 0940	.	1.55000E+06	.
75 244 0940	75 251 1015	85.0	1.05000E+06	2.38000E+06
75 251 1045	75 258 1045	.	3.21000E+05	.
75 258 1040	75 265 1040	239.0	5.20000E+05	3.31413E+06
75 265 1040	75 272 1030	146.0	2.27000E+07	8.83787E+07
75 272 0840	75 280 0840	.	2.63000E+03	.
75 280 0840	75 287 0850	228.0	3.89000E+06	2.36512E+07
75 287 0850	75 293 0850	.	4.64000E+06	.
75 293 0850	75 301 0955	110.0	3.03000E+06	8.88800E+06
75 301 0955	75 307 0840	.	1.64000E+06	.
75 307 0840	75 314 1240	.	1.43000E+06	.
75 314 1240	75 321 1145	179.0	4.08000E+06	1.94752E+07
75 321 1145	75 328 1035	.	1.90000E+06	.
75 328 1035	75 335 1040	.	1.37000E+06	.

WEIR 105 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
WINTER 1975		43.1	2.18300E+07	2.17168E+07
SPRING 1975		118.7	5.24300E+07	1.80021E+08
SUMMER 1975		321.5	2.01269E+07	1.48110E+08
FALL 1975		164.5	4.65736E+07	1.46087E+08
TOTAL 1975		150.8	1.40961E+08	4.95935E+08

WEIR 105 1976 TOTAL PHOSPHORUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1040	75 342 1000	.	1.12000E+06	.
75 342 1000	75 349 1100	.	1.34000E+06	.
75 349 1100	75 356 0915	.	8.87000E+05	.
75 356 0915	75 363 1010	.	2.28000E+06	.
75 363 1010	76 005 0930	491.0	1.70000E+07	2.22587E+08
76 005 0930	76 012 0900	41.0	6.78000E+06	7.41280E+06
76 012 0900	76 019 1030	.	3.19000E+06	.
76 019 1030	76 026 1255	.	2.38000E+06	.
76 026 1255	76 033 1055	163.0	1.22000E+07	5.30293E+07
76 033 1055	76 040 0913	.	4.89000E+06	.
76 040 0913	76 047 0757	157.0	3.13000E+06	1.31043E+07
76 047 0757	76 054 0920	.	3.21000E+06	.
76 054 0920	76 061 0910	46.0	2.43000E+06	2.98080E+06
76 061 0910	76 068 0940	79.0	1.91000E+06	4.02373E+06
76 068 0940	76 075 0948	50.0	4.45000E+06	5.93333E+06
76 075 0948	76 082 0940	54.0	3.64000E+06	5.24160E+06
76 082 0940	76 089 0955	221.0	2.30000E+06	1.35547E+07
76 089 0955	76 096 0945	96.0	4.91000E+06	1.25696E+07
76 096 0945	76 103 0940	56.0	2.18000E+06	3.25547E+06
76 103 0940	76 110 0940	79.0	1.55000E+06	3.26533E+06
76 110 0940	76 117 0850	97.0	1.10000E+06	2.84533E+06
76 117 0850	76 124 0915	26.0	1.87000E+06	1.29653E+06
76 124 0915	76 131 0845	96.0	5.75000E+05	1.47200E+06
76 131 0845	76 138 0845	96.0	5.44000E+05	1.39264E+06
76 138 0845	76 145 0845	121.0	4.13000E+05	1.33261E+06
76 145 0845	76 153 0855	128.0	8.03000E+05	2.74091E+06
76 153 0855	76 159 0934	129.0	1.53000E+05	5.26320E+05
76 159 0934	76 166 0834	182.0	2.20000E+04	1.06773E+05
76 166 0834	76 173 0936	326.0	3.57000E+05	3.10352E+06
76 173 0930	76 180 0935	.	2.81000E+04	.
76 180 0935	76 188 0830	.	1.31000E+04	.
76 188 0830	76 194 0855	290.0	5.16000E+04	3.99040E+05
76 194 0855	76 201 0845	271.0	4.08000E+05	2.94848E+06
76 201 0845	76 208 0840	284.0	1.20000E+04	9.08800E+04
76 208 0840	76 215 0932	310.0	5.79000E+04	4.78640E+05
76 215 0932	76 222 0905	1010.0	3.44000E+06	9.26507E+07
76 222 0905	76 229 0930	206.0	1.32000E+06	7.25120E+06
76 229 0930	76 236 0905	73.0	1.41000E+05	2.74480E+05
76 236 0905	76 243 0918	200.0	2.12000E+04	1.13067E+05
76 243 0918	76 251 0900	241.0	1.18000E+04	7.58347E+04
76 251 0900	76 257 0904	200.0	6.49000E+03	3.46133E+04
76 257 0904	76 264 0900	102.0	7.22000E+04	1.96384E+05
76 264 0900	76 271 0920	102.0	9.13000E+03	2.48336E+04
76 271 0920	76 278 0924	132.0	6.04000E+05	2.12608E+06
76 278 0924	76 286 0940	146.0	2.19000E+06	8.52640E+06
76 286 0940	76 292 0930	85.0	4.30000E+05	9.74667E+05
76 292 0930	76 300 0930	94.0	6.12000E+06	1.53408E+07

WEIR 105 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 300 0930	76 306 1000	38.0	4.51000E+06	4.57013E+06
76 306 1000	76 313 1015	25.0	2.27000E+06	1.51333E+06
76 313 1015	76 320 0950	52.0	1.22000E+06	1.69173E+06
76 320 0950	76 327 1005	38.0	9.06000E+05	9.18080E+05
76 327 1005	76 334 1130	43.0	9.14000E+05	1.04805E+06
WINTER 1976		179.6	6.08370E+07	2.99114E+08
SPRING 1976		92.2	2.62450E+07	5.89238E+07
SUMMER 1976		298.3	6.02490E+06	1.07943E+08
FALL 1976		99.8	1.92636E+07	3.70409E+07
TOTAL 1976		159.0	1.12371E+08	5.03022E+08

WEIR 106 1975 TOTAL PHOSPHORUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 007 1605	75 013 1520	124.0	5.19000E+06	6.75299E+06
75 013 1520	75 020 1150	88.0	5.79000E+06	5.34648E+06
75 020 1150	75 027 1340	28.0	6.34000E+06	1.86275E+06
75 027 1340	75 034 1050	31.0	4.30000E+06	1.39874E+06
75 034 1050	75 041 1145	58.0	6.39000E+06	3.88898E+06
75 041 1145	75 049 1120	35.0	6.28000E+06	2.30640E+06
75 049 1120	75 055 1120	53.0	3.69000E+06	2.05215E+06
75 055 1120	75 062 1135	49.0	4.76000E+06	2.44743E+06
75 062 1135	75 069 1120	45.0	2.68000E+06	1.26548E+06
75 069 1120	75 076 1205	336.0	1.37000E+07	4.83022E+07
75 076 1205	75 083 1240	1400.0	2.61000E+07	3.83421E+08
75 083 1240	75 090 1130	154.0	1.09000E+07	1.76139E+07
75 090 1130	75 097 1125	52.0	6.59000E+06	3.59580E+06
75 097 1125	75 104 1125	35.0	5.47000E+06	2.00892E+06
75 104 1125	75 111 1105	85.0	7.82000E+06	6.97482E+06
75 111 1105	75 118 1110	107.0	1.09000E+07	1.22382E+07
75 118 1110	75 125 1150	80.0	1.77000E+07	1.48583E+07
75 125 1150	75 132 1055	125.0	8.35000E+06	1.09523E+07
75 132 1055	75 139 1100	182.0	8.81000E+06	1.68250E+07
75 139 1100	75 147 1055	.	3.53000E+06	.
75 147 1055	75 153 1045	417.0	2.79000E+06	1.22081E+07
75 153 1045	75 160 1055	243.0	4.53000E+06	1.15508E+07
75 160 1055	75 167 1030	296.0	4.32000E+06	1.34178E+07
75 167 1030	75 174 1020	694.0	3.81000E+06	2.77454E+07
75 174 1020	75 181 .	.	1.74000E+06	.
75 181 .	75 188 1015	.	8.92000E+05	.
75 188 1015	75 195 1050	609.0	2.37000E+07	1.51451E+08
75 195 1050	75 202 .	592.0	1.14000E+07	7.08164E+07
75 202 .	75 209 1145	209.0	2.58000E+06	5.65813E+06
75 209 1145	75 216 1020	431.0	1.71000E+06	7.73358E+06
75 216 1020	75 223 1055	228.0	1.37000E+06	3.27765E+06
75 223 1055	75 230 1130	477.0	5.59000E+06	2.79793E+07
75 230 1130	75 237 1013	.	7.39000E+05	.
75 237 1013	75 244 0930	.	4.93000E+06	.
75 244 0930	75 251 1040	690.0	2.62000E+06	1.89696E+07
75 251 1100	75 258 1100	792.0	7.00000E+05	5.81742E+06
75 258 1100	75 265 1100	412.0	1.72000E+06	7.43589E+06
75 265 1100	75 272 1040	1370.0	5.13000E+07	7.37471E+08
75 272 1040	75 280 0850	165.0	6.10000E+06	1.05614E+07
75 280 0850	75 287 0855	.	8.64000E+06	.
75 287 0855	75 293 0900	354.0	1.01000E+07	3.75173E+07
75 293 0900	75 301 1005	162.0	6.64000E+06	1.12873E+07
75 301 1005	75 307 0850	175.0	4.20000E+06	7.71249E+06
75 307 0850	75 314 1250	282.0	4.12000E+06	1.21914E+07
75 314 1250	75 321 1155	390.0	1.06000E+07	4.33788E+07
75 321 1155	75 328 1040	121.0	4.86000E+06	6.17062E+06
75 328 1040	75 335 1055	134.0	3.91000E+06	5.49780E+06

WEIR 106 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
WINTER 1975		58.2	4.27400E+07	2.60559E+07
SPRING 1975		251.5	1.25340E+08	5.30264E+08
SUMMER 1975		419.9	6.73110E+07	3.19630E+08
FALL 1975		420.6	1.15510E+08	9.04011E+08
TOTAL 1975		300.2	3.50901E+08	1.77996E+09

WEIR 106 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1055	75 342 1010	94.0	3.49000E+06	3.44239E+06
75 342 1010	75 349 1105	277.0	4.30000E+06	1.24984E+07
75 349 1105	75 356 0925	242.0	2.92000E+06	7.41490E+06
75 356 0925	75 363 1015	.	6.42000E+06	.
75 363 1015	76 005 1040	382.0	3.50000E+07	1.40294E+08
76 005 1040	76 012 0915	34.0	1.36000E+07	4.85205E+06
76 012 0915	76 019 1035	.	6.89000E+06	.
76 019 1035	76 026 1013	.	4.59000E+06	.
76 026 1013	76 033 1545	474.0	2.82000E+07	1.40260E+08
76 033 1545	76 040 0932	.	1.04000E+07	.
76 040 0932	76 047 0810	.	7.46000E+06	.
76 047 0810	76 054 0935	.	7.61000E+06	.
76 054 0935	76 061 0925	.	5.62000E+06	.
76 061 0925	76 068 1000	.	4.99000E+06	.
76 068 1000	76 075 1015	140.0	1.04000E+07	1.52781E+07
76 075 1015	76 082 0950	.	7.29000E+06	.
76 082 0950	76 089 1015	.	5.60000E+06	.
76 089 1015	76 096 1000	.	1.09000E+07	.
76 096 1000	76 103 0957	.	5.19000E+06	.
76 103 0957	76 110 0955	.	3.79000E+06	.
76 110 0955	76 117 0905	.	3.00000E+06	.
76 117 0905	76 124 0937	241.0	4.90000E+06	1.23914E+07
76 124 0937	76 131 0910	168.0	1.83000E+06	3.22602E+06
76 131 0910	76 138 0905	268.0	1.45000E+06	4.07765E+06
76 138 0905	76 145 0905	250.0	1.50000E+06	3.93494E+06
76 145 0905	76 153 0920	283.0	3.00000E+06	8.90871E+06
76 153 0920	76 159 0852	234.0	9.82000E+05	2.41121E+06
76 159 0852	76 166 0850	465.0	1.49000E+05	7.27020E+05
76 166 0850	76 173 0950	.	1.33000E+06	.
76 173 0950	76 180 1000	487.0	1.39000E+05	7.10315E+05
76 180 1000	76 188 0900	188.0	1.19000E+05	2.34753E+05
76 188 0900	76 194 0900	.	2.60000E+05	.
76 194 0900	76 201 0915	.	1.59000E+06	.
76 201 0915	76 208 0925	.	2.87000E+04	.
76 208 0925	76 215 0950	.	1.76000E+05	.
76 215 0950	76 222 0930	1250.0	9.15000E+06	1.20016E+08
76 222 0930	76 229 1000	489.0	4.24000E+06	2.17561E+07
76 229 1000	76 236 0933	127.0	5.50000E+05	7.32949E+05
76 236 0933	76 243 0940	341.0	1.64000E+05	5.86821E+05
76 243 0940	76 251 0945	.	2.58000E+04	.
76 257 0915	76 264 0940	.	2.46000E+05	.
76 271 0940	76 278 0945	396.0	1.54000E+06	6.39916E+06
76 278 0945	76 286 1000	496.0	6.77000E+06	3.52353E+07
76 286 1000	76 292 0955	157.0	1.43000E+06	2.35582E+06
76 292 0955	76 300 0950	.	1.22000E+07	.
76 300 0950	76 306 1020	126.0	7.84000E+06	1.03656E+07
76 306 1020	76 313 1040	81.0	3.62000E+06	3.07681E+06

WEIR 106 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 313 1040	76 320 1017	86.0	2.12000E+06	1.91312E+06
76 320 1017	76 327 1030	83.0	1.73000E+06	1.50672E+06
76 327 1030	76 334 1205	198.0	1.86000E+06	3.86443E+06
WINTER 1976		250.5	1.36500E+08	3.08762E+08
SPRING 1976		225.0	6.38400E+07	4.78168E+07
SUMMER 1976		447.6	1.88777E+07	1.47175E+08
FALL 1976		202.9	3.93818E+07	6.47169E+07
TOTAL 1976		287.7	2.58599E+08	5.68470E+08

WEIR 107 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1500	74 343 1400	914.0	1.18000E+06	3.82454E+07
74 343 1400	74 350 1610	1740.0	1.53000E+06	9.44043E+07
74 350 1610	74 357 1345	208.0	1.08000E+06	7.96596E+06
74 357 1345	74 364 1330	.	5.51000E+05	.
74 364 1330	75 006 1000	.	5.93000E+05	.
75 006 1000	75 013 1600	724.0	2.58000E+06	6.62383E+07
75 013 1600	75 021 1220	210.0	2.94000E+06	2.18936E+07
75 021 1220	75 027 1020	106.0	2.34000E+06	8.79574E+06
75 027 1020	75 034 0955	166.0	1.80000E+06	1.05957E+07
75 034 0955	75 041 1030	16.2	4.05000E+06	2.32660E+06
75 041 1030	75 049 1025	153.0	3.04000E+06	1.64936E+07
75 049 1025	75 055 1020	224.0	1.74000E+06	1.38213E+07
75 055 1020	75 062 1040	202.0	2.43000E+06	1.74064E+07
75 062 1040	75 069 1000	64.0	1.45000E+06	3.29078E+06
75 069 1120	75 076 1045	708.0	6.52000E+06	1.63694E+08
75 076 1045	75 083 1110	888.0	7.84000E+06	2.46877E+08
75 083 1110	75 090 1030	186.0	4.25000E+06	2.80319E+07
75 090 1030	75 097 1025	83.0	3.49000E+06	1.02720E+07
75 097 1025	75 104 .	.	2.05000E+06	.
75 104 .	75 111 1015	283.0	2.28000E+06	2.28809E+07
75 111 1015	75 118 1005	409.0	2.40000E+06	3.48085E+07
75 118 1005	75 125 1045	450.0	4.05000E+06	6.46277E+07
75 125 1045	75 132 1000	219.0	2.93000E+06	2.27543E+07
75 132 1000	75 139 0950	227.0	3.73000E+06	3.00252E+07
75 139 0950	75 147 0950	.	1.61000E+06	.
75 147 0950	75 153 0945	1040.0	1.15000E+06	4.24113E+07
75 153 0945	75 160 0940	.	1.06000E+06	.
75 160 0940	75 167 0935	1370.0	9.51000E+05	4.62011E+07
75 167 0935	75 174 1107	653.0	9.19000E+05	2.12804E+07
75 174 1107	75 181 .	.	4.55000E+05	.
75 181 .	75 188 0910	.	2.42000E+05	.
75 188 0910	75 195 0955	644.0	4.22000E+06	9.63716E+07
75 195 0955	75 202 1000	897.0	3.68000E+06	1.17055E+08
75 202 1000	75 209 1015	162.0	1.49000E+06	8.55957E+06
75 209 1015	75 216 .	.	6.43000E+05	.
75 216 .	75 223 1000	.	7.57000E+05	.
75 223 1000	75 230 1045	554.0	8.28000E+05	1.62664E+07
75 230 1045	75 237 0908	.	4.52000E+05	.
75 237 0908	75 244 0855	.	8.49000E+05	.
75 244 0855	75 251 0935	.	8.00000E+05	.
75 251 1000	75 258 1000	.	4.49000E+05	.
75 258 1015	75 265 1015	.	.	.
75 265 1015	75 272 0950	400.0	.	.
WINTER 1975		423.9	2.58540E+07	2.98187E+08
SPRING 1975		414.3	4.37500E+07	6.69673E+08

WEIR 107 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
SUMMER 1975		713.3	1.65460E+07	3.05734E+08
FALL 1975		400.0	1.24900E+06	.
TOTAL 1975		479.3	8.73990E+07	1.27359E+09

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WEIR 107 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 154 1630	76 159 0810	78.0	4.16000E+05	1.15064E+06
76 159 0810	76 166 0750	244.0	3.55000E+05	3.07163E+06
76 166 0750	76 173 0850	481.0	8.08000E+05	1.37818E+07
76 173 0850	76 180 0840	287.0	2.81000E+05	2.85982E+06
76 180 0840	76 188 0750	312.0	2.06000E+05	2.27915E+06
76 188 0750	76 194 0800	345.0	2.11000E+05	2.58138E+06
76 194 0800	76 201 0806	539.0	6.72000E+05	1.28443E+07
76 201 0806	76 208 0805	372.0	1.41000E+05	1.86000E+06
76 208 0805	76 215 0845	500.0	9.69000E+04	1.71809E+06
76 215 0845	76 222 0820	1630.0	1.43000E+06	8.26560E+07
76 222 0820	76 229 0850	656.0	9.24000E+05	2.14945E+07
76 229 0850	76 236 0812	50.0	1.90000E+05	3.36879E+05
76 236 0812	76 243 0840	294.0	6.83000E+04	7.12064E+05
76 243 0840	76 251 0815	277.0	2.20000E+03	2.16099E+04
76 257 0825	76 264 0830	384.0	6.19000E+04	8.42894E+05
76 264 0830	76 271 0840	467.0	0.00000E+00	0.00000E+00
76 271 0840	76 278 0840	564.0	5.19000E+05	1.03800E+07
76 278 0840	76 286 0900	308.0	1.70000E+06	1.85674E+07
76 286 0900	76 292 0840	125.0	4.63000E+05	2.05230E+06
76 292 0840	76 300 0900	204.0	2.40000E+06	1.73617E+07
76 300 0900	76 306 0930	93.0	1.88000E+06	6.20000E+06
76 306 0930	76 313 0940	58.0	9.90000E+05	2.03617E+06
76 313 0940	76 320 0910	147.0	6.96000E+05	3.62809E+06
76 320 0910	76 327 0930	84.0	5.82000E+05	1.73362E+06
76 327 0930	76 334 1040	98.0	3.91000E+05	1.35879E+06
WINTER 1976		.	.	.
SPRING 1976		.	.	.
SUMMER 1976		445.2	5.79920E+06	1.47346E+08
FALL 1976		234.1	9.68510E+06	6.41826E+07
TOTAL 1976		343.9	1.54843E+07	2.11529E+08

WEIR 108 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1200	74 343 1220	222.0	6.50000E+06	9.59441E+06
74 343 1220	74 350 1325	486.0	7.07000E+06	2.28459E+07
74 350 1325	74 357 1120	248.0	8.92000E+06	1.47085E+07
74 357 1120	74 364 1110	43.0	2.57000E+06	7.34774E+05
74 364 1110	75 006 1315	36.0	3.18000E+06	7.61170E+05
75 006 1315	75 013 1245	80.0	6.23000E+06	3.31383E+06
75 013 1245	75 020 1110	100.0	1.15000E+07	7.64628E+06
75 020 1110	75 027 1240	23.0	1.05000E+07	1.60572E+06
75 027 1240	75 034 1340	19.0	6.94000E+06	8.76729E+05
75 034 1340	75 041 1340	64.0	1.27000E+07	5.40426E+06
75 041 1340	75 049 1455	38.0	1.06000E+07	2.67819E+06
75 049 1455	75 055 1345	125.0	6.55000E+06	5.44382E+06
75 055 1345	75 062 1340	12.0	8.26000E+06	6.59043E+05
75 062 1340	75 069 1230	38.0	5.57000E+06	1.40731E+06
75 069 1230	75 076 1445	172.0	4.41000E+07	5.04335E+07
75 076 1445	75 083 1500	123.0	3.64000E+07	2.97686E+07
75 083 1500	75 090 1405	80.0	2.49000E+07	1.32447E+07
75 090 1405	75 097 1510	50.0	1.12000E+07	3.72340E+06
75 097 1510	75 104 1525	57.0	8.94000E+06	3.38816E+06
75 104 1525	75 111 1530	80.0	1.20000E+07	6.38298E+06
75 111 1530	75 118 1500	158.0	1.22000E+07	1.28165E+07
75 118 1500	75 125 1545	86.0	2.28000E+07	1.30372E+07
75 125 1545	75 132 1545	175.0	1.93000E+07	2.24568E+07
75 132 1545	75 139 1440	163.0	1.19000E+07	1.28969E+07
75 139 1440	75 147 1415	57.0	9.20000E+06	3.48670E+06
75 147 1415	75 153 1630	500.0	9.92000E+06	3.29787E+07
75 153 1630	75 160 1510	255.0	6.59000E+06	1.11732E+07
75 160 1510	75 167 1400	492.0	6.61000E+06	2.16231E+07
75 167 1400	75 174 1300	595.0	4.48000E+06	1.77234E+07
75 174 1300	75 181 .	482.0	1.95000E+06	6.24934E+06
75 181 .	75 188 1230	104.0	6.73000E+05	4.65372E+05
75 188 1230	75 195 1515	522.0	4.57000E+07	1.58613E+08
75 195 1515	75 202 1440	118.0	2.51000E+07	1.96928E+07
75 202 1440	75 209 1330	172.0	6.67000E+06	7.62793E+06
75 209 1330	75 216 .	337.0	2.61000E+06	5.84820E+06
75 216 .	75 223 1400	328.0	6.27000E+06	1.36739E+07
75 223 1400	75 230 1515	461.0	8.58000E+06	2.62991E+07
75 230 1515	75 237 1345	282.0	1.56000E+06	2.92500E+06
75 237 1345	75 244 1155	477.0	9.72000E+06	3.08274E+07
75 244 1155	75 251 1325	254.0	4.44000E+06	7.49840E+06
75 251 1325	75 258 1445	239.0	1.63000E+06	2.59023E+06
75 258 1445	75 265 1440	302.0	3.49000E+06	7.00785E+06
75 265 1440	75 272 1415	280.0	1.14000E+08	2.12234E+08
75 272 1415	75 280 1150	188.0	1.32000E+07	1.65000E+07
75 280 1150	75 287 1220	207.0	2.13000E+07	2.93158E+07
75 287 1220	75 293 1145	383.0	1.72000E+07	4.38005E+07
75 293 1145	75 301 1210	176.0	1.32000E+07	1.54468E+07

WEIR 108 1975 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1210	75 307 1320	217.0	8.68000E+06	1.25237E+07
75 307 1320	75 314 1545	214.0	8.49000E+06	1.20802E+07
75 314 1545	75 322 1255	488.0	2.23000E+07	7.23564E+07
75 322 1255	75 328 1540	234.0	8.63000E+06	1.34270E+07
75 328 1540	75 335 1520	159.0	8.23000E+06	8.70060E+06
WINTER 1975		115.1	1.01520E+08	7.62726E+07
SPRING 1975		133.8	2.28430E+08	2.06022E+08
SUMMER 1975		355.8	1.26513E+08	3.22742E+08
FALL 1975		257.0	2.44790E+08	4.53482E+08
TOTAL 1975		215.4	7.01253E+08	1.05852E+09

WEIR 108 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1520	75 342 1400	161.0	7.60000E+06	8.13564E+06
75 342 1400	75 349 1515	223.0	8.45000E+06	1.25289E+07
75 349 1515	75 356 1130	226.0	6.45000E+06	9.69215E+06
75 356 1130	75 363 1300	60.0	1.29000E+07	5.14628E+06
75 363 1300	76 005 1430	555.0	6.84000E+07	2.52407E+08
76 005 1430	76 012 1415	.	4.48000E+07	.
76 012 1415	76 019 1400	186.0	1.55000E+07	1.91689E+07
76 019 1400	76 026 1500	.	1.25000E+07	.
76 026 1500	76 033 1450	230.0	7.20000E+07	1.10106E+08
76 033 1450	76 040 1515	197.0	2.41000E+07	3.15672E+07
76 040 1515	76 047 1125	174.0	1.43000E+07	1.65439E+07
76 047 1125	76 054 1430	400.0	1.44000E+07	3.82979E+07
76 054 1430	76 061 1325	393.0	1.11000E+07	2.90047E+07
76 061 1325	76 068 1340	542.0	1.01000E+07	3.63976E+07
76 068 1340	76 075 1305	324.0	1.76000E+07	3.79149E+07
76 075 1305	76 082 1445	333.0	1.25000E+07	2.76762E+07
76 082 1445	76 089 1315	529.0	1.04000E+07	3.65798E+07
76 089 1315	76 096 1415	267.0	1.81000E+07	3.21323E+07
76 096 1415	76 103 1318	.	9.90000E+06	.
76 103 1318	76 110 1340	558.0	8.16000E+06	3.02745E+07
76 110 1340	76 117 1307	194.0	6.78000E+06	8.74548E+06
76 117 1307	76 124 1330	271.0	9.58000E+06	1.72618E+07
76 121 1500	76 124 1330	318.0	.	.
76 124 1330	76 131 1235	952.0	4.33000E+06	2.74080E+07
76 131 1235	76 138 1340	600.0	4.11000E+06	1.63963E+07
76 138 1340	76 145 1310	193.0	4.61000E+06	5.91576E+06
76 145 1310	76 153 1320	214.0	7.07000E+06	1.00597E+07
76 153 1320	76 159 1345	383.0	1.71000E+06	4.35459E+06
76 159 1345	76 166 1345	284.0	3.47000E+05	6.55239E+05
76 166 1345	76 173 1425	319.0	1.28000E+07	2.71489E+07
76 173 1425	76 180 1400	281.0	6.33000E+05	1.18267E+06
76 188 1300	76 194 1308	2860.0	5.86000E+05	1.11434E+07
76 194 1308	76 201 1300	403.0	5.80000E+06	1.55412E+07
76 201 1300	76 208 1325	349.0	4.28000E+03	9.93165E+03
76 208 1325	76 215 1315	835.0	8.47000E+04	4.70243E+05
76 215 1315	76 222 1305	3580.0	6.63000E+06	1.57815E+08
76 222 1305	76 229 1325	1090.0	6.59000E+06	4.77600E+07
76 229 1325	76 236 1235	91.0	4.80000E+05	2.90426E+05
76 236 1235	76 243 1255	286.0	4.94000E+05	9.39388E+05
76 243 1255	76 251 1330	218.0	3.30000E+02	4.78324E+02
76 251 1330	76 257 1340	282.0	0.00000E+00	0.00000E+00
76 257 1340	76 264 1305	165.0	4.84000E+05	5.30984E+05
76 264 1305	76 271 1330	231.0	0.00000E+00	0.00000E+00
76 271 1330	76 278 1340	348.0	3.91000E+06	9.04707E+06
76 278 1340	76 286 1350	637.0	1.69000E+07	7.15778E+07
76 286 1350	76 292 1320	79.0	1.59000E+06	8.35173E+05
76 292 1320	76 300 1330	257.0	2.43000E+07	4.15233E+07

WEIR 108 1976 TOTAL PHOSPHOROUS
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 300 1330	76 306 1505	123.0	1.51000E+07	1.23491E+07
76 306 1505	76 313 1455	38.0	6.31000E+06	1.59428E+06
76 313 1455	76 320 1335	38.0	4.41000E+06	1.11423E+06
76 320 1335	76 327 1400	36.0	3.81000E+06	9.11968E+05
76 327 1400	76 334 1555	59.0	4.20000E+06	1.64761E+06
WINTER 1976		255.0	3.12500E+08	5.32599E+08
SPRING 1976		407.3	1.23240E+08	2.86762E+08
SUMMER 1976		896.7	3.61590E+07	2.67311E+08
FALL 1976		193.2	8.10143E+07	1.41132E+08
TOTAL 1976		436.2	5.52913E+08	1.22780E+09

WEIR 101 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1030	74 343 1045	77.9	8.94000E+06	3.08290E+06
74 343 1045	74 350 1130	68.7	7.26000E+06	2.20789E+06
74 350 1130	74 357 1000	57.1	1.39000E+07	3.51346E+06
74 357 1000	74 364 0925	32.6	4.92000E+06	7.10013E+05
74 364 0925	75 006 1115	32.6	5.46000E+06	7.87942E+05
75 006 1115	75 013 1100	29.2	1.23000E+07	1.58991E+06
75 013 1100	75 020 1000	50.7	1.84000E+07	4.12961E+06
75 020 1000	75 027 1105	30.3	1.65000E+07	2.21315E+06
75 027 1105	75 034 1145	26.2	1.18000E+07	1.36857E+06
75 034 1145	75 041 1240	46.6	2.04000E+07	4.20823E+06
75 041 1240	75 049 1340	27.9	1.67000E+07	2.06255E+06
75 049 1340	75 055 1205	.	1.02000E+07	.
75 055 1205	75 062 1225	19.4	1.33000E+07	1.14219E+06
75 062 1225	75 069 1210	24.1	8.99000E+06	9.59093E+05
75 069 1210	75 076 1320	72.4	3.25000E+07	1.04161E+07
75 076 1320	75 083 1345	12.0	5.73000E+07	3.04382E+06
75 083 1340	75 090 1245	66.3	3.10000E+07	9.09827E+06
75 090 1245	75 097 1215	41.8	1.74000E+07	3.21965E+06
75 097 1215	75 104 1210	26.2	1.25000E+07	1.44976E+06
75 104 1210	75 111 1205	37.7	1.70000E+07	2.83710E+06
75 111 1205	75 118 1205	50.3	1.86000E+07	4.14157E+06
75 118 1205	75 125 1305	67.3	3.08000E+07	9.17592E+06
75 125 1305	75 132 1135	108.0	2.27000E+07	1.08526E+07
75 132 1135	75 139 1150	57.5	2.22000E+07	5.65073E+06
75 139 1150	75 147 1130	59.5	1.18000E+07	3.10801E+06
75 147 1130	75 153 1355	42.5	7.37000E+06	1.38656E+06
75 153 1355	75 160 1150	60.5	6.23000E+06	1.66850E+06
75 160 1150	75 167 .	59.8	5.45000E+06	1.44272E+06
75 167 .	75 174 1125	130.0	6.64000E+06	3.82116E+06
75 174 1125	75 181 .	.	1.94000E+06	.
75 181 .	75 188 1045	.	9.94000E+05	.
75 188 1045	75 195 1220	163.0	3.78000E+07	2.72749E+07
75 195 1220	75 202 1140	108.0	2.82000E+07	1.34821E+07
75 202 1140	75 209 1205	.	8.55000E+06	.
75 209 1205	75 216 1100	134.0	4.55000E+06	2.69898E+06
75 216 1100	75 223 1130	284.0	6.08000E+06	7.64374E+06
75 223 1130	75 230 1200	185.0	1.34000E+07	1.09739E+07
75 230 1200	75 237 1105	96.0	4.09000E+06	1.73811E+06
75 237 1105	75 244 1020	193.0	1.07000E+07	9.14166E+06
75 244 1020	75 251 1130	56.2	9.93000E+06	2.47041E+06
75 251 1130	75 258 1145	.	3.72000E+06	.
75 258 1145	75 265 1150	65.9	5.27000E+06	1.53737E+06
75 265 1150	75 272 1200	186.0	8.27000E+07	6.80930E+07
75 272 1200	75 280 0925	40.0	1.84000E+07	3.25808E+06
75 280 0925	75 287 0920	50.0	2.45000E+07	5.42275E+06
75 287 0920	75 293 0950	74.7	2.20000E+07	7.27490E+06
75 293 0950	75 301 1040	78.3	1.71000E+07	5.92709E+06

WEIR 101 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1040	75 307 1040	35.4	1.12000E+07	1.75511E+06
75 307 1040	75 314 1330	59.0	1.15000E+07	3.00354E+06
75 314 1330	75 321 0920	58.0	2.55000E+07	6.54714E+06
75 321 0920	75 328 1150	27.7	1.34000E+07	1.64312E+06
75 328 1150	75 335 1145	30.4	1.07000E+07	1.43993E+06
WINTER 1975		41.6	1.60080E+08	2.70164E+07
SPRING 1975		51.2	2.90160E+08	6.53392E+07
SUMMER 1975		141.3	1.34624E+08	7.98857E+07
FALL 1975		63.5	2.55920E+08	1.08372E+08
TOTAL 1975		71.1	8.40784E+08	2.80614E+08

WEIR 101 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1145	75 342 1050	30.6	9.95000E+06	1.34781E+06
75 342 1050	75 349 1145	39.8	1.16000E+07	2.04374E+06
75 349 1145	75 356 1000	92.2	8.62000E+06	3.51821E+06
75 356 1000	75 363 1110	49.5	1.62000E+07	3.54980E+06
75 363 1110	76 005 1130	239.0	7.67000E+07	8.11479E+07
76 005 1130	76 012 1100	.	3.71000E+07	.
76 012 1100	76 019 1205	44.8	2.02000E+07	4.00602E+06
76 019 1205	76 026 1050	.	1.44000E+07	.
76 026 1050	76 033 1205	77.0	6.17000E+07	2.10310E+07
76 033 1205	76 040 1038	31.8	2.78000E+07	3.91341E+06
76 040 1038	76 047 0900	31.8	1.97000E+07	2.77317E+06
76 047 0900	76 054 1020	29.9	1.96000E+07	2.59425E+06
76 054 1020	76 061 1000	26.2	1.54000E+07	1.78610E+06
76 061 1000	76 068 1040	28.4	1.34000E+07	1.68464E+06
76 068 1040	76 075 1058	49.8	2.66000E+07	5.86401E+06
76 075 1058	76 082 1050	47.2	1.92000E+07	4.01169E+06
76 082 1050	76 089 1050	40.0	1.44000E+07	2.54980E+06
76 089 1050	76 096 1045	71.0	2.79000E+07	8.76892E+06
76 096 1045	76 103 1033	88.6	1.44000E+07	5.64781E+06
76 103 1033	76 110 1040	57.0	1.07000E+07	2.69987E+06
76 110 1040	76 117 0950	.	8.20000E+06	.
76 117 0950	76 124 1017	76.2	1.26000E+07	4.25020E+06
76 124 1017	76 131 0945	31.6	6.31000E+06	8.82674E+05
76 131 0945	76 138 0945	.	4.82000E+06	.
76 138 0945	76 145 0945	55.8	4.54000E+06	1.12143E+06
76 145 0945	76 153 0955	64.0	8.00000E+06	2.26649E+06
76 153 0955	76 159 1015	54.0	2.51000E+06	6.00000E+05
76 159 1015	76 166 0947	59.0	9.74000E+05	2.54387E+05
76 166 0947	76 173 1020	117.0	3.75000E+06	1.94223E+06
76 173 1020	76 180 1045	102.0	7.90000E+05	3.56707E+05
76 180 1045	76 188 0950	129.0	8.14000E+05	4.64834E+05
76 188 0950	76 194 0950	.	1.13000E+06	.
76 194 0950	76 201 0950	87.0	4.65000E+06	1.79084E+06
76 201 0950	76 208 1000	87.0	4.40000E+05	1.69456E+05
76 208 1000	76 215 1100	90.0	7.20000E+05	2.86853E+05
76 215 1100	76 222 1012	188.0	8.27000E+06	6.88251E+06
76 222 1012	76 229 1040	116.0	1.16000E+07	5.95662E+06
76 229 1040	76 236 1010	39.0	3.03000E+06	5.23108E+05
76 236 1010	76 243 1015	81.0	1.44000E+06	5.16335E+05
76 243 1015	76 251 1027	63.0	2.15000E+05	5.99602E+04
76 251 1027	76 257 0950	110.0	1.23000E+05	5.98938E+04
76 251 1027	76 257 0950	.	.	.
76 251 1027	76 257 0950	.	.	.
76 257 0950	76 264 1000	.	2.26000E+06	.
76 264 1000	76 271 1020	66.0	4.53000E+05	1.32351E+05
76 271 1020	76 278 1040	60.0	7.69000E+06	2.04250E+06
76 278 1040	76 286 1110	115.0	1.92000E+07	9.77424E+06

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WEIR 101 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
                VOLUME INTEGRATED SAMPLES

   FROM         TO          CONCENTRATION    TOTAL FLOW     AREA YIELD
                               (UG/L)           (L)           (UG/HA)
-----------  -----------   -------------   -----------   -----------
76 286 1110  76 292 1040        31.0        4.16000E+06   5.70872E+05
76 292 1040  76 300 1105        78.0        3.04000E+07   1.04967E+07
76 300 1105  76 306 1120        50.0        2.27000E+07   5.02435E+06
76 300 1105  76 306 1120        43.0             .             .
76 306 1120  76 313 1125        33.0        1.36000E+07   1.98672E+06
76 313 1125  76 320 1105        39.0        8.62000E+06   1.48818E+06
76 320 1105  76 327 1130        31.0        7.13000E+06   9.78442E+05
76 327 1130  76 334 1300        30.0        6.76000E+06   8.97742E+05
                           -------------   -----------   -----------
    WINTER 1976                     63.0    3.38970E+08   1.27711E+08
                           -------------   -----------   -----------
    SPRING 1976                     55.4    1.71070E+08   3.97475E+07
                           -------------   -----------   -----------
    SUMMER 1976                     95.7    4.01180E+07   1.97439E+07
                           -------------   -----------   -----------
    FALL 1976                       57.6    1.23311E+08   3.35119E+07
                           -------------   -----------   -----------
    TOTAL 1976                      68.1    6.73469E+08   2.20715E+08
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WEIR 102 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1055	74 343 1105	57.6	8.29000E+06	2.489[illegible]E+06
74 343 1105	74 350 1215	36.0	6.21000E+06	1.16559E+06
74 350 1215	74 357 1020	68.0	1.27000E+07	4.50261E+06
74 357 1020	74 364 1015	24.5	5.23000E+06	6.68066E+05
74 364 1025	75 006 1140	34.3	4.35000E+06	7.77920E+05
75 006 1140	75 013 1125	27.9	1.12000E+07	1.62920E+06
75 013 1125	75 020 1020	44.9	1.78000E+07	4.16694E+06
75 020 1020	75 027 1135	28.6	1.78000E+07	2.65422E+06
75 027 1135	75 034 1205	28.6	1.05000E+07	1.56569E+06
75 034 1255	75 041 1300	27.9	1.92000E+07	2.79291E+06
75 041 1300	75 049 1350	26.2	1.54000E+07	2.10365E+06
75 049 1350	75 055 1220	.	9.00000E+06	.
75 055 1220	75 062 1240	17.0	1.16000E+07	1.02815E+06
75 062 1240	75 069 1415	14.9	6.64000E+06	5.15829E+05
75 069 1415	75 076 1330	45.1	3.18000E+07	7.47748E+06
75 076 1330	75 083 1400	180.0	6.04000E+07	5.66840E+07
75 083 1400	75 090 1300	36.4	2.56000E+07	4.85839E+06
75 090 1300	75 097 1240	37.7	1.34000E+07	2.63389E+06
75 097 1240	75 104 1225	59.2	9.38000E+06	2.89518E+06
75 104 1225	75 111 1225	41.8	1.36000E+07	2.96392E+06
75 111 1225	75 118 1225	69.3	1.55000E+07	5.60036E+06
75 118 1225	75 125 1320	24.3	2.88000E+07	3.64880E+06
75 125 1320	75 132 1150	110.0	2.09000E+07	1.19864E+07
75 132 1150	75 139 1205	41.8	2.03000E+07	4.42409E+06
75 139 1205	75 147 1150	.	8.91000E+06	.
75 147 1150	75 153 1400	59.5	5.75000E+06	1.78376E+06
75 153 1400	75 160 1210	.	4.05000E+06	.
75 160 1210	75 167 1130	30.2	3.66000E+06	5.76288E+05
75 167 1130	75 174 1135	124.0	5.84000E+06	3.77560E+06
75 174 1135	75 181 .	.	1.05000E+06	.
75 181 .	75 188 1055	.	1.10000E+05	.
75 188 1055	75 195 1240	91.4	4.92000E+07	2.34457E+07
75 195 1240	75 202 1200	91.6	2.68000E+07	1.27992E+07
75 202 1200	75 209 1245	.	6.30000E+06	.
75 209 1245	75 216 1115	80.0	4.15000E+05	1.73097E+06
75 216 1115	75 223 1140	72.0	3.90000E+06	1.46403E+06
75 223 1140	75 230 1220	123.0	1.73000E+07	1.10944E+07
75 230 1220	75 237 1120	.	2.62000E+06	.
75 237 1040	75 244 1040	162.0	1.04000E+07	8.78415E+06
75 244 1040	75 251 1145	66.8	7.60000E+06	2.64692E+06
75 251 1145	75 258 1200	53.6	2.58000E+06	7.21001E+05
75 258 1200	75 265 1205	52.0	3.69000E+06	1.00042E+06
75 265 1205	75 272 1230	112.0	9.24000E+07	5.39562E+07
75 272 1230	75 280 0940	74.4	1.26000E+07	4.88759E+06
75 280 0940	75 287 0940	90.7	1.89000E+07	8.93759E+06
75 287 0940	75 293 1010	74.7	1.68000E+07	6.54307E+06
75 293 1010	75 301 1055	110.0	1.26000E+07	7.22628E+06

WEIR 102 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1055	75 307 1050	56.0	8.76000E+06	2.55766E+06
75 307 1050	75 314 1345	52.6	7.61000E+06	2.08700E+06
75 314 1345	75 321 0940	29.0	2.33000E+07	3.52294E+06
75 321 0940	75 328 1205	32.6	1.09000E+07	1.85266E+06
75 328 1205	75 335 1200	51.3	8.14000E+06	2.17717E+06
WINTER 1975		35.1	1.49280E+08	2.55445E+07
SPRING 1975		60.0	2.60980E+08	1.05472E+08
SUMMER 1975		96.8	1.35380E+08	6.36702E+07
FALL 1975		65.8	2.25880E+08	9.81165E+07
TOTAL 1975		61.6	7.71520E+08	2.92803E+08

WEIR 102 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1200	75 342 1100	69.7	7.42000E+06	2.69642E+06
75 342 1100	75 349 1205	51.9	9.05000E+06	2.44888E+06
75 349 1205	75 356 1010	49.0	6.46000E+06	1.65036E+06
75 356 1010	75 363 1120	42.3	1.40000E+07	3.08759E+06
75 363 1120	76 005 1145	76.6	7.45000E+07	2.97534E+07
76 005 1145	76 012 1130	.	3.20000E+07	.
76 012 1130	76 019 1235	56.0	1.61000E+07	4.70073E+06
76 019 1235	76 026 1117	.	1.43000E+07	.
76 026 1117	76 033 1235	52.8	5.81000E+07	1.59942E+07
76 033 1235	76 040 1057	.	1.65000E+07	.
76 040 1057	76 047 0915	.	1.48000E+07	.
76 047 0915	76 054 1055	56.4	1.60000E+07	4.70490E+06
76 054 1055	76 061 1040	.	1.29000E+07	.
76 061 1040	76 068 1100	28.4	1.06000E+07	1.56955E+06
76 068 1100	76 075 1115	43.4	2.34000E+07	5.29489E+06
76 075 1115	76 082 1110	32.6	1.72000E+07	2.92346E+06
76 082 1110	76 089 1110	35.0	1.27000E+07	2.31752E+06
76 089 1110	76 096 1105	58.0	2.65000E+07	8.01356E+06
76 096 1105	76 103 1052	56.4	1.28000E+07	3.76392E+06
76 103 1052	76 110 1110	50.0	8.88000E+06	2.31491E+06
76 110 1110	76 117 1010	44.0	6.66000E+06	1.52784E+06
76 117 1010	76 124 1040	63.5	1.04000E+07	3.44317E+06
76 124 1040	76 131 1008	36.8	4.70000E+06	9.01773E+05
76 131 1008	76 138 1010	55.0	3.54000E+06	1.01512E+06
76 138 1010	76 145 1005	57.5	3.14000E+06	9.41345E+05
76 145 1005	76 153 1020	91.0	6.85000E+06	3.25000E+06
76 153 1020	76 159 1035	33.0	1.91000E+07	3.28624E+06
76 159 1035	76 166 1010	120.0	4.50000E+05	2.81543E+05
76 166 1010	76 173 1035	114.0	2.57000E+06	1.52753E+06
76 173 1035	76 180 1112	116.0	.	.
76 188 1030	76 194 1022	103.0	2.64000E+05	1.41773E+05
76 194 1022	76 201 1010	70.0	3.53000E+06	1.28832E+06
76 201 1010	76 208 1020	98.0	1.39000E+04	7.10219E+03
76 208 1020	76 215 1120	117.0	5.80000E+04	3.53806E+04
76 215 1120	76 222 1030	128.0	3.37000E+06	2.24901E+06
76 222 1030	76 229 1100	84.0	6.32000E+06	2.76788E+06
76 229 1100	76 236 1032	71.0	6.64000E+05	2.45798E+05
76 236 1032	76 243 1035	84.0	2.71000E+05	1.18686E+05
76 243 1035	76 251 1045	62.0	0.00000E+00	0.00000E+00
76 243 1035	76 251 1045	.	.	.
76 257 1010	76 264 1025	28.0	2.11000E+06	3.08029E+05
76 264 1025	76 271 1040	78.0	1.33000E+04	5.40876E+03
76 271 1040	76 278 1105	88.0	7.04000E+05	3.23003E+06
76 278 1105	76 286 1140	117.0	1.95000E+07	1.18952E+07
76 286 1140	76 292 1100	42.0	3.09000E+06	6.76642E+05
76 292 1100	76 300 1145	50.0	3.30000E+07	8.60271E+06
76 300 1145	76 306 1150	53.0	1.99000E+07	5.49896E+06

WEIR 102 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 306 1150	76 313 1153	48.0	1.04000E+07	2.60271E+06
76 313 1153	76 320 1125	22.0	6.09000E+06	6.98540E+05
76 320 1125	76 327 1145	52.0	5.07000E+06	1.37456E+06
76 327 1145	76 334 1320	58.0	5.02000E+06	1.51804E+06
WINTER 1976		56.8	2.92130E+08	6.50364E+07
SPRING 1976		50.1	1.47370E+08	3.72771E+07
SUMMER 1976		94.8	3.66109E+07	1.19493E+07
FALL 1976		58.2	1.11233E+08	3.64108E+07
TOTAL 1976		65.4	5.87344E+08	1.50674E+08

WEIR 103 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1120	74 343 1130	81.6	4.83000E+06	1.55413E+06
74 343 1130	74 350 1245	191.0	4.11000E+06	3.09547E+06
74 350 1245	74 357 1050	47.3	8.10000E+06	1.51076E+06
74 357 1050	74 364 1040	30.9	2.80000E+06	3.41167E+05
74 364 1040	75 006 1200	.	3.72000E+06	.
75 006 1200	75 013 1200	34.3	1.02000E+07	1.37957E+06
75 013 1200	75 020 1040	50.7	1.71000E+07	3.41865E+06
75 020 1040	75 027 1155	29.2	1.65000E+07	1.89984E+06
75 027 1155	75 034 1400	29.2	9.57000E+06	1.10191E+06
75 034 1400	75 041 1455	34.3	2.09000E+07	2.82677E+06
75 041 1455	75 049 1600	35.0	1.64000E+07	2.26341E+06
75 049 1600	75 055 1425	.	1.01000E+07	.
75 055 1425	75 062 1420	31.6	1.30000E+07	1.61987E+06
75 062 1420	75 069 1355	19.9	8.10000E+06	6.35607E+05
75 069 1355	75 076 1600	57.9	3.77000E+07	8.60737E+06
75 076 1600	75 083 1545	120.0	6.80000E+07	3.21767E+07
75 083 1545	75 090 1350	50.3	3.23000E+07	6.40651E+06
75 090 1350	75 097 1540	32.3	1.87000E+07	2.38174E+06
75 097 1540	75 104 1540	21.4	1.34000E+07	1.13076E+06
75 104 1540	75 111 1555	33.0	1.92000E+07	2.49842E+06
75 111 1555	75 118 1540	41.8	2.29000E+07	3.77453E+06
75 118 1540	75 125 1615	.	3.86000E+07	.
75 125 1615	75 132 1610	93.8	3.02000E+07	1.11702E+07
75 132 1610	75 139 1515	46.6	2.99000E+07	5.49424E+06
75 139 1515	75 147 .	43.2	1.48000E+07	2.52114E+06
75 147 1435	75 153 1705	37.4	1.01000E+07	1.48951E+06
75 153 1705	75 160 1540	55.3	7.29000E+06	1.58966E+06
75 160 1540	75 167 1505	92.8	6.65000E+06	2.43344E+06
75 167 1505	75 174 1245	161.0	1.25000E+07	7.93573E+06
75 174 1245	75 181 .	.	2.13000E+06	.
75 181 .	75 188 1310	.	3.92000E+05	.
75 188 1310	75 195 1600	139.0	4.75000E+07	2.60351E+07
75 195 1600	75 202 1515	122.0	2.91000E+07	1.39992E+07
75 202 1515	75 209 1400	.	7.22000E+06	.
75 209 1400	75 216 .	66.0	3.15000E+06	8.19795E+05
75 216 .	75 223 1450	109.0	4.09000E+06	1.75793E+06
75 223 1450	75 230 1530	302.0	1.15000E+07	1.36948E+07
75 230 1530	75 239 1040	68.0	7.61000E+06	2.04054E+06
75 239 1040	75 244 1220	51.0	5.51000E+06	1.10808E+06
75 244 1220	75 251 1415	35.2	4.30000E+06	5.96845E+05
75 251 1500	75 258 1500	28.0	2.32000E+06	2.56151E+05
75 258 1500	75 265 1500	21.3	3.03000E+06	2.54491E+05
75 265 1500	75 272 1445	149.0	8.88000E+07	5.21735E+07
75 272 1445	75 280 1220	57.0	1.65000E+07	3.70860E+06
75 280 1220	75 287 .	.	2.45000E+07	.
75 287 0940	75 293 1215	.	1.88000E+07	.
75 293 1215	75 301 1240	110.0	1.66000E+07	7.20032E+06

WEIR 103 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 301 1240	75 307 .	.	1.16000E+07	.
75 307 1332	75 314 .	.	1.27000E+07	.
75 314 1605	75 322 1315	62.3	2.94000E+07	7.22248E+06
75 322 1515	75 328 1600	34.2	1.28000E+07	1.72618E+06
75 328 1600	75 335 1555	30.4	1.23000E+07	1.47445E+06
WINTER 1975		54.1	1.37330E+08	2.10116E+07
SPRING 1975		49.8	3.43900E+08	7.82867E+07
SUMMER 1975		116.6	1.44642E+08	7.14143E+07
FALL 1975		58.6	2.53650E+08	7.46130E+07
TOTAL 1975		68.7	8.79522E+08	2.45326E+08

WEIR 103 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1555	75 342 1430	32.3	1.13000E+07	1.43924E+06
75 342 1430	75 349 1542	38.1	1.35000E+07	2.02819E+06
75 349 1542	75 356 1210	13.6	9.74000E+06	5.22334E+05
75 356 1210	75 363 1330	46.4	1.89000E+07	3.45804E+06
75 363 1330	76 005 1500	130.0	8.25000E+07	4.22910E+07
76 005 1500	76 012 1500	.	4.10000E+07	.
76 012 1500	76 019 1430	35.2	2.28000E+07	3.16467E+06
76 019 1430	76 026 1525	.	1.84000E+07	.
76 026 1525	76 033 1525	50.6	7.02000E+07	1.40068E+07
76 033 1525	76 040 1605	.	3.16000E+07	.
76 040 1605	76 047 1150	27.0	2.27000E+07	2.41680E+06
76 047 1150	76 054 1510	36.5	2.41000E+07	3.46865E+06
76 054 1510	76 061 1400	27.8	1.91000E+07	2.09377E+06
76 061 1400	76 068 1420	28.4	1.78000E+07	1.99338E+06
76 068 1420	76 075 1545	40.2	3.35000E+07	5.31033E+06
76 075 1545	76 082 1510	34.2	2.51000E+07	3.38494E+06
76 082 1510	76 089 1400	29.0	1.97000E+07	2.25276E+06
76 089 1400	76 096 1505	31.0	3.43000E+07	4.19282E+06
76 096 1505	76 103 1435	40.4	1.92000E+07	3.05868E+06
76 103 1435	76 110 1440	46.0	1.50000E+07	2.72082E+06
76 110 1440	76 117 1515	53.0	1.24000E+07	2.59148E+06
76 117 1515	76 124 1525	196.0	1.80000E+07	1.39117E+07
76 124 1525	76 131 1450	29.8	8.14000E+06	9.56514E+05
76 131 1450	76 138 1500	71.8	6.03000E+06	1.70723E+06
76 138 1500	76 145 1430	62.4	5.93000E+06	1.45912E+06
76 145 1430	76 153 1500	95.0	1.28000E+07	4.79495E+06
76 153 1500	76 159 1455	42.0	3.17000E+06	5.25000E+05
76 159 1455	76 166 1530	46.0	9.57000E+05	1.73588E+05
76 166 1530	76 173 1537	75.0	2.20000E+06	6.50631E+05
76 173 1537	76 180 1522	68.0	4.77000E+05	1.27902E+05
76 188 1430	76 194 1430	125.0	0.00000E+00	0.00000E+00
76 194 1430	76 201 1500	68.0	2.44000E+06	6.54259E+05
76 201 1500	76 208 1435	139.0	3.66000E+03	2.00607E+03
76 208 1435	76 215 1435	133.0	8.32000E+04	4.36341E+04
76 215 1435	76 222 1445	.	9.32000E+05	.
76 222 1445	76 229 1500	78.0	8.02000E+06	2.46672E+06
76 229 1500	76 236 1410	62.0	6.57000E+05	1.60623E+05
76 236 1410	76 243 1415	150.0	2.85000E+02	1.68573E+02
76 257 1440	76 264 1425	81.0	3.07000E+06	9.80560E+05
76 264 1425	76 271 1445	60.0	7.73000E+00	1.82886E+00
76 271 1445	76 278 1520	.	6.74000E+06	.
76 278 1520	76 286 1506	120.0	1.62000E+07	7.66562E+06
76 286 1506	76 292 1445	47.0	3.45000E+06	6.39393E+05
76 292 1445	76 300 1450	93.0	3.51000E+07	1.28718E+07
76 300 1450	76 306 1630	53.0	2.08000E+07	4.34700E+06
76 306 1630	76 313 1620	24.0	1.31000E+07	1.23975E+06
76 313 1620	76 320 1455	35.0	9.12000E+06	1.25868E+06

WEIR 103 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 320 1455	76 327 1530	42.0	6.66000E+06	1.10300E+06
76 327 1530	76 334 1700	26.0	7.89000E+06	8.08912E+05
WINTER 1976		43.7	3.85840E+08	7.48895E+07
SPRING 1976		58.2	2.27900E+08	4.83347E+07
SUMMER 1976		89.6	1.89401E+07	4.80453E+06
FALL 1976		58.1	1.22130E+08	3.09147E+07
TOTAL 1976		62.8	7.54810E+08	1.58943E+08

WEIR 105 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 006 1535	75 013 1500	50.7	2.15000E+06	2.90680E+06
75 013 1500	75 020 1150	40.8	3.43000E+06	3.73184E+06
75 020 1140	75 027 1320	22.1	3.41000E+06	2.00963E+06
75 027 1320	75 034 1035	.	1.91000E+06	.
75 034 1035	75 041 1130	23.8	3.92000E+06	2.48789E+06
75 041 1130	75 049 1100	21.1	2.94000E+06	1.65424E+06
75 049 1100	75 055 1100	.	1.74000E+06	.
75 055 1100	75 062 1120	29.9	2.33000E+06	1.85779E+06
75 062 1120	75 069 1050	.	1.50000E+06	.
75 069 1050	75 076 1150	44.2	6.44000E+06	7.59061E+06
75 076 1150	75 083 1220	180.0	1.22000E+07	5.85600E+07
75 083 1220	75 090 1110	22.1	5.53000E+06	3.25901E+06
75 090 1110	75 097 1110	33.0	2.83000E+06	2.49040E+06
75 097 1110	75 104 1105	32.3	1.82000E+06	1.56763E+06
75 104 1105	75 111 1050	38.8	2.65000E+06	2.74187E+06
75 111 1050	75 118 1100	43.5	3.19000E+06	3.70040E+06
75 118 1100	75 125 1130	28.9	5.68000E+06	4.37739E+06
75 125 1130	75 132 1040	29.5	3.77000E+06	2.96573E+06
75 132 1040	75 139 1040	.	4.08000E+06	.
75 139 1040	75 147 1035	.	1.66000E+06	.
75 147 1035	75 153 1030	57.1	1.08000E+06	1.64448E+06
75 153 1030	75 160 1030	.	6.12000E+05	.
75 160 1030	75 167 1010	.	5.28000E+05	.
75 167 1010	75 174 1040	.	2.88000E+05	.
75 174 1040	75 181 .	.	4.02000E+04	.
75 181 .	75 188 0945	.	1.17000E+04	.
75 188 0945	75 195 1040	118.0	8.64000E+06	2.71872E+07
75 195 1040	75 202 1030	61.6	4.77000E+06	7.83552E+06
75 202 1030	75 209 1100	.	1.10000E+06	.
75 209 1100	75 216 1005	119.0	5.06000E+05	1.60571E+06
75 216 1005	75 223 1040	151.0	3.96000E+05	1.59456E+06
75 223 1040	75 230 1120	239.0	1.50000E+06	9.56000E+06
75 230 1120	75 237 0956	.	1.85000E+05	.
75 237 0956	75 244 0940	.	1.55000E+06	.
75 244 0940	75 251 1015	44.5	1.05000E+06	1.24600E+06
75 251 1045	75 258 1045	.	3.21000E+05	.
75 258 1040	75 265 1040	113.0	5.20000E+05	1.56693E+06
75 265 1040	75 272 1030	135.0	2.27000E+07	8.17200E+07
75 272 0840	75 280 0840	.	2.63000E+03	.
75 280 0840	75 287 0850	86.0	3.89000E+06	8.92107E+06
75 287 0850	75 293 0850	.	4.64000E+06	.
75 293 0850	75 301 0955	169.0	3.03000E+06	1.36552E+07
75 301 0955	75 307 0840	.	1.64000E+06	.
75 307 0840	75 314 1240	.	1.43000E+06	.
75 314 1240	75 321 1145	.	4.08000E+06	.
75 321 1145	75 328 1035	.	1.90000E+06	.
75 328 1035	75 335 1040	.	1.37000E+06	.

WEIR 105 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
WINTER 1975		31.4	2.18300E+07	1.46482E+07
SPRING 1975		50.9	5.24300E+07	8.88975E+07
SUMMER 1975		137.7	2.01269E+07	4.77830E+07
FALL 1975		109.5	4.65736E+07	1.07109E+08
TOTAL 1975		74.4	1.40961E+08	2.58438E+08

WEIR 105 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1040	75 342 1000	.	1.12000E+06	.
75 342 1000	75 349 1100	.	1.34000E+06	.
75 349 1100	75 356 0915	.	8.87000E+05	.
75 356 0915	75 363 1010	.	2.28000E+06	.
75 363 1010	76 005 0930	114.0	1.70000E+07	5.16800E+07
76 005 0930	76 012 0900	19.4	6.78000E+06	3.50752E+06
76 012 0900	76 019 1030	.	3.19000E+06	.
76 019 1030	76 026 1255	.	2.38000E+06	.
76 026 1255	76 033 1055	47.7	1.22000E+07	1.55184E+07
76 033 1055	76 040 0913	.	4.89000E+06	.
76 040 0913	76 047 0757	45.0	3.13000E+06	3.75600E+06
76 047 0757	76 054 0920	.	3.21000E+06	.
76 054 0920	76 061 0910	11.4	2.43000E+06	7.38720E+05
76 061 0910	76 068 0940	20.6	1.91000E+06	1.04923E+06
76 068 0940	76 075 0948	21.0	4.45000E+06	2.49200E+06
76 075 0948	76 082 0940	11.2	3.64000E+06	1.08715E+06
76 082 0940	76 089 0955	21.0	2.30000E+06	1.28800E+06
76 089 0955	76 096 0945	28.0	4.91000E+06	3.66613E+06
76 096 0945	76 103 0940	52.4	2.18000E+06	3.04619E+06
76 103 0940	76 110 0940	28.0	1.55000E+06	1.15733E+06
76 110 0940	76 117 0850	34.0	1.10000E+06	9.97333E+05
76 117 0850	76 124 0915	45.3	1.87000E+06	2.25896E+06
76 124 0915	76 131 0845	38.6	5.75000E+05	5.91867E+05
76 131 0845	76 138 0845	41.8	5.44000E+05	6.06379E+05
76 138 0845	76 145 0845	37.2	4.13000E+05	4.09696E+05
76 145 0845	76 153 0855	45.0	8.03000E+05	9.63600E+05
76 153 0855	76 159 0934	44.0	1.53000E+05	1.79520E+05
76 159 0934	76 166 0834	60.0	2.20000E+04	3.52000E+04
76 166 0834	76 173 0936	130.0	3.57000E+05	1.23760E+06
76 173 0930	76 180 0935	.	2.81000E+04	.
76 180 0935	76 188 0830	.	1.31000E+04	.
76 188 0830	76 194 0855	128.0	5.16000E+04	1.76128E+05
76 194 0855	76 201 0845	88.0	4.08000E+05	9.57440E+05
76 201 0845	76 208 0840	107.0	1.20000E+04	3.42400E+04
76 208 0840	76 215 0932	27.0	5.79000E+04	4.16880E+04
76 215 0932	76 222 0905	222.0	3.44000E+06	2.03648E+07
76 222 0905	76 229 0930	52.0	1.32000E+06	1.83040E+06
76 229 0930	76 236 0905	37.0	1.41000E+05	1.39120E+05
76 236 0905	76 243 0918	69.0	2.12000E+04	3.90080E+04
76 243 0918	76 251 0900	68.0	1.18000E+04	2.13973E+04
76 251 0900	76 257 0904	73.0	6.49000E+03	1.26339E+04
76 257 0904	76 264 0900	43.0	7.22000E+04	8.27893E+04
76 264 0900	76 271 0920	71.0	9.13000E+03	1.72861E+04
76 271 0920	76 278 0924	82.0	6.04000E+05	1.32075E+06
76 278 0924	76 286 0940	64.0	2.19000E+06	3.73760E+06
76 286 0940	76 292 0930	16.0	4.30000E+05	1.83467E+05
76 292 0930	76 300 0930	54.0	6.12000E+06	8.81280E+06

WEIR 105 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 300 0930	76 306 1000	34.0	4.51000E+06	4.08907E+06
76 306 1000	76 313 1015	24.0	2.27000E+06	1.45280E+06
76 313 1015	76 320 0950	18.0	1.22000E+06	5.85600E+05
76 320 0950	76 327 1005	24.0	9.06000E+05	5.79840E+05
76 327 1005	76 334 1130	98.0	9.14000E+05	2.38859E+06
WINTER 1976		47.5	6.08370E+07	7.52006E+07
SPRING 1976		32.6	2.62450E+07	1.96139E+07
SUMMER 1976		87.6	6.02490E+06	2.50351E+07
FALL 1976		51.5	1.92636E+07	2.32846E+07
TOTAL 1976		54.6	1.12371E+08	1.43134E+08

WEIR 106 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 007 1605	75 013 1520	34.3	5.19000E+06	1.86796E+06
75 013 1520	75 020 1150	47.3	5.79000E+06	2.87374E+06
75 020 1150	75 027 1340	26.9	6.34000E+06	1.78957E+06
75 027 1340	75 034 1050	20.4	4.30000E+06	9.20462E+05
75 034 1050	75 041 1145	29.2	6.39000E+06	1.95790E+06
75 041 1145	75 049 1120	29.2	6.28000E+06	1.92420E+06
75 049 1120	75 055 1120	.	3.69000E+06	.
75 055 1120	75 062 1135	29.9	4.76000E+06	1.49343E+06
75 062 1135	75 069 1120	21.6	2.68000E+06	6.07429E+05
75 069 1120	75 076 1205	62.8	1.37000E+07	9.02791E+06
75 076 1205	75 083 1240	440.0	2.61000E+07	1.20504E+08
75 083 1240	75 090 1130	37.7	1.09000E+07	4.31196E+06
75 090 1130	75 097 1125	.	6.59000E+06	.
75 097 1125	75 104 1125	26.2	5.47000E+06	1.50382E+06
75 104 1125	75 111 1105	35.4	7.82000E+06	2.90481E+06
75 111 1105	75 118 1110	52.7	1.09000E+07	6.02760E+06
75 118 1110	75 125 1150	38.7	1.77000E+07	7.18772E+06
75 125 1150	75 132 1055	81.6	8.35000E+06	7.14963E+06
75 132 1055	75 139 1100	65.2	8.81000E+06	6.02741E+06
75 139 1100	75 147 1055	.	3.53000E+06	.
75 147 1055	75 153 1045	41.8	2.79000E+06	1.22374E+06
75 153 1045	75 160 1055	98.6	4.53000E+06	4.68686E+06
75 160 1055	75 167 1030	105.0	4.32000E+06	4.75971E+06
75 167 1030	75 174 1020	152.0	3.81000E+06	6.07681E+06
75 174 1020	75 181 .	.	1.74000E+06	.
75 181 .	75 188 1015	.	8.92000E+05	.
75 188 1015	75 195 1050	183.0	2.37000E+07	4.55100E+07
75 195 1050	75 202 .	88.9	1.14000E+07	1.06344E+07
75 202 .	75 209 1145	.	2.58000E+06	.
75 209 1145	75 216 1020	239.0	1.71000E+06	4.28846E+06
75 216 1020	75 223 1055	56.0	1.37000E+06	8.05037E+05
75 223 1055	75 230 1130	275.0	5.59000E+06	1.61306E+07
75 230 1130	75 237 1013	.	7.39000E+05	.
75 237 1013	75 244 0930	.	4.93000E+06	.
75 244 0930	75 251 1040	494.0	2.62000E+06	1.35811E+07
75 251 1100	75 258 1100	615.0	7.00000E+05	4.51731E+06
75 258 1100	75 265 1100	642.0	1.72000E+06	1.15870E+07
75 265 1100	75 272 1040	466.0	5.13000E+07	2.50848E+08
75 272 1040	75 280 0850	75.0	6.10000E+06	4.80063E+06
75 280 0850	75 287 0855	.	8.64000E+06	.
75 287 0855	75 293 0900	68.0	1.01000E+07	7.20672E+06
75 293 0900	75 301 1005	116.0	6.64000E+06	8.08227E+06
75 301 1005	75 307 0850	57.3	4.20000E+06	2.52529E+06
75 307 0850	75 314 1250	57.0	4.12000E+06	2.46422E+06
75 314 1250	75 321 1155	.	1.06000E+07	.
75 321 1155	75 328 1040	37.5	4.86000E+06	1.91238E+06
75 328 1040	75 335 1055	38.0	3.91000E+06	1.55908E+06

WEIR 106 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
WINTER 1975		31.0	4.27400E+07	1.28273E+07
SPRING 1975		82.2	1.25340E+08	1.66476E+08
SUMMER 1975		149.7	6.73110E+07	9.28919E+07
FALL 1975		242.3	1.15510E+08	3.09084E+08
TOTAL 1975		134.7	3.50901E+08	5.81279E+08

WEIR 106 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
75 335 1055	75 342 1010	31.2	3.49000E+06	1.14258E+06
75 342 1010	75 349 1105	48.5	4.30000E+06	2.18835E+06
75 349 1105	75 356 0925	77.0	2.92000E+06	2.35929E+06
75 356 0925	75 363 1015	.	6.42000E+06	.
75 363 1015	76 005 1040	66.6	3.50000E+07	2.44596E+07
76 005 1040	76 012 0915	20.3	1.36000E+07	2.89696E+06
76 012 0915	76 019 1035	.	6.89000E+06	.
76 019 1035	76 026 1013	.	4.59000E+06	.
76 026 1013	76 033 1545	84.0	2.82000E+07	2.48562E+07
76 033 1545	76 040 0932	.	1.04000E+07	.
76 040 0932	76 047 0810	.	7.46000E+06	.
76 047 0810	76 054 0935	.	7.61000E+06	.
76 054 0935	76 061 0925	.	5.62000E+06	.
76 061 0925	76 068 1000	.	4.99000E+06	.
76 068 1000	76 075 1015	40.2	1.04000E+07	4.38699E+06
76 075 1015	76 082 0950	.	7.29000E+06	.
76 082 0950	76 089 1015	.	5.60000E+06	.
76 089 1015	76 096 1000	.	1.09000E+07	.
76 096 1000	76 103 0957	.	5.19000E+06	.
76 103 0957	76 110 0955	.	3.79000E+06	.
76 110 0955	76 117 0905	.	3.00000E+06	.
76 117 0905	76 124 0937	94.3	4.90000E+06	4.84858E+06
76 124 0937	76 131 0910	38.6	1.83000E+06	7.41217E+05
76 131 0910	76 138 0905	61.8	1.45000E+06	9.40294E+05
76 138 0905	76 145 0905	57.5	1.50000E+06	9.05037E+05
76 145 0905	76 153 0920	81.0	3.00000E+06	2.54984E+06
76 153 0920	76 159 0852	44.0	9.82000E+05	4.53389E+05
76 159 0852	76 166 0850	71.0	1.49000E+05	1.11007E+05
76 166 0850	76 173 0950	.	1.33000E+06	.
76 173 0950	76 180 1000	117.0	1.39000E+05	1.70651E+05
76 180 1000	76 188 0900	162.0	1.19000E+05	2.02288E+05
76 188 0900	76 194 0900	.	2.60000E+05	.
76 194 0900	76 201 0915	.	1.59000E+06	.
76 201 0915	76 208 0925	.	2.87000E+04	.
76 208 0925	76 215 0950	.	1.76000E+05	.
76 215 0950	76 222 0930	222.0	9.15000E+06	2.13148E+07
76 222 0930	76 229 1000	71.0	4.24000E+06	3.15887E+06
76 229 1000	76 236 0933	68.0	5.50000E+05	3.92445E+05
76 236 0933	76 243 0940	177.0	1.64000E+05	3.04596E+05
76 243 0940	76 251 0945	.	2.58000E+04	.
76 257 0915	76 264 0940	.	2.46000E+05	.
76 271 0940	76 278 0945	118.0	1.54000E+06	1.90682E+06
76 278 0945	76 286 1000	123.0	6.77000E+06	8.73778E+06
76 286 1000	76 292 0955	44.0	1.43000E+06	6.60231E+05
76 292 0955	76 300 0950	.	1.22000E+07	.
76 300 0950	76 306 1020	51.0	7.84000E+06	4.19559E+06
76 306 1020	76 313 1040	48.0	3.62000E+06	1.82329E+06

WEIR 106 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
76 313 1040	76 320 1017	30.0	2.12000E+06	6.67366E+05
76 320 1017	76 327 1030	42.0	1.73000E+06	7.62434E+05
76 327 1030	76 334 1205	54.0	1.86000E+06	1.05393E+06
WINTER 1976		54.6	1.36500E+08	5.79030E+07
SPRING 1976		62.2	6.38400E+07	1.43720E+07
SUMMER 1976		116.5	1.88777E+07	2.61080E+07
FALL 1976		63.7	3.93818E+07	1.98075E+07
TOTAL 1976		76.5	2.58599E+08	1.18190E+08

WEIR 107 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1500	74 343 1400	124.0	1.18000E+06	5.18865E+06
74 343 1400	74 350 1610	167.0	1.53000E+06	9.06064E+06
74 350 1610	74 357 1345	40.8	1.08000E+06	1.56255E+06
74 357 1345	74 364 1330	.	5.51000E+05	.
74 364 1330	75 006 1000	.	5.93000E+05	.
75 006 1000	75 013 1600	94.5	2.58000E+06	8.64574E+06
75 013 1600	75 021 1220	53.7	2.94000E+06	5.59851E+06
75 021 1220	75 027 1020	29.2	2.34000E+06	2.42298E+06
75 027 1020	75 034 0955	26.9	1.80000E+06	1.71702E+06
75 034 0955	75 041 1030	37.4	4.05000E+06	5.37128E+06
75 041 1030	75 049 1025	35.0	3.04000E+06	3.77305E+06
75 049 1025	75 055 1020	.	1.74000E+06	.
75 055 1020	75 062 1040	40.5	2.43000E+06	3.48989E+06
75 062 1040	75 069 1000	17.4	1.45000E+06	8.94681E+05
75 069 1120	75 076 1045	122.0	6.52000E+06	2.82071E+07
75 076 1045	75 083 1110	77.0	7.84000E+06	2.14071E+07
75 083 1110	75 090 1030	36.0	4.25000E+06	5.42553E+06
75 090 1030	75 097 1025	29.2	3.49000E+06	3.61376E+06
75 097 1025	75 104 .	.	2.05000E+06	.
75 104 .	75 111 1015	49.0	2.28000E+06	3.96170E+06
75 111 1015	75 118 1005	78.8	2.40000E+06	6.70638E+06
75 118 1005	75 125 1045	75.1	4.05000E+06	1.07856E+07
75 125 1045	75 132 1000	61.2	2.93000E+06	6.35872E+06
75 132 1000	75 139 0950	60.6	3.73000E+06	8.01553E+06
75 139 0950	75 147 0950	.	1.61000E+06	.
75 147 0950	75 153 0945	.	1.15000E+06	.
75 153 0945	75 160 0940	.	1.06000E+06	.
75 160 0940	75 167 0935	.	9.51000E+05	.
75 167 0935	75 174 1107	549.0	9.19000E+05	1.78912E+07
75 174 1107	75 181 .	.	4.55000E+05	.
75 181 .	75 188 0910	.	2.42000E+05	.
75 188 0910	75 195 0955	233.0	4.22000E+06	3.48674E+07
75 195 0955	75 202 1000	117.0	3.68000E+06	1.52681E+07
75 202 1000	75 209 1015	.	1.49000E+06	.
75 209 1015	75 216 .	.	6.43000E+05	.
75 216 .	75 223 1000	.	7.57000E+05	.
75 223 1000	75 230 1045	347.0	8.28000E+05	1.01885E+07
75 230 1045	75 237 0908	.	4.52000E+05	.
75 237 0908	75 244 0855	.	8.49000E+05	.
75 244 0855	75 251 0935	.	8.00000E+05	.
75 251 1000	75 258 1000	.	4.49000E+05	.
75 258 1015	75 265 1015	.	.	.
75 265 1015	75 272 0950	161.0	.	.
WINTER 1975		64.9	2.58540E+07	4.68303E+07
SPRING 1975		60.6	4.37500E+07	9.53761E+07

WEIR 107 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
SUMMER 1975		311.5	1.65460E+07	7.82151E+07
FALL 1975		161.0	1.24900E+06	.
TOTAL 1975		106.5	8.73990E+07	2.20422E+08

WEIR 107 1976 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

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   FROM          TO          CONCENTRATION    TOTAL FLOW     AREA YIELD
                                (UG/L)           (L)          (UG/HA)
-----------  -----------    -------------   -----------   -----------
76 154 1630  76 159 0810         40.0       4.16000E+05   5.90071E+05
76 159 0810  76 166 0750         52.0       3.55000E+05   6.54610E+05
76 166 0750  76 173 0850         88.0       8.08000E+05   2.52142E+06
76 173 0850  76 180 0840         65.0       2.81000E+05   6.47695E+05
76 180 0840  76 188 0750         66.0       2.06000E+05   4.82128E+05
76 188 0750  76 194 0800         98.0       2.11000E+05   7.33262E+05
76 194 0800  76 201 0806         73.0       6.72000E+05   1.73957E+06
76 201 0806  76 208 0805         85.0       1.41000E+05   4.25000E+05
76 208 0805  76 215 0845         78.0       9.69000E+04   2.68021E+05
76 215 0845  76 222 0820        222.0       1.43000E+06   1.12574E+07
76 222 0820  76 229 0850        110.0       9.24000E+05   3.60426E+06
76 229 0850  76 236 0812         54.0       1.90000E+05   3.63830E+05
76 236 0812  76 243 0840         56.0       6.83000E+04   1.35631E+05
76 243 0840  76 251 0815        230.0       2.20000E+03   1.79433E+04
76 257 0825  76 264 0830         69.0       6.19000E+04   1.51457E+05
76 264 0830  76 271 0840        108.0       0.00000E+00   0.00000E+00
76 271 0840  76 278 0840         89.0       5.19000E+05   1.63798E+06
76 278 0840  76 286 0900         94.0       1.70000E+06   5.66667E+06
76 286 0900  76 292 0840         26.0       4.63000E+05   4.26879E+05
76 292 0840  76 300 0900         54.0       2.40000E+06   4.59574E+06
76 300 0900  76 306 0930         42.0       1.88000E+06   2.80000E+06
76 306 0930  76 313 0940         20.0       9.90000E+05   7.02128E+05
76 313 0940  76 320 0910         47.0       6.96000E+05   1.16000E+06
76 320 0910  76 327 0930         31.0       5.82000E+05   6.39787E+05
76 327 0930  76 334 1040         21.0       3.91000E+05   2.91170E+05
                            -------------   -----------   -----------
           WINTER 1976                .     .             .
                            -------------   -----------   -----------
           SPRING 1976                .     .             .
                            -------------   -----------   -----------
           SUMMER 1976               83.6   5.79920E+06   2.34229E+07
                            -------------   -----------   -----------
           FALL 1976                 69.2   9.68510E+06   1.80898E+07
                            -------------   -----------   -----------
           TOTAL 1976                76.7   1.54843E+07   4.15127E+07
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WEIR 108 1975 TOTAL ORGANIC MATTER-DICHROMATE OXIDATION
VOLUME INTEGRATED SAMPLES

FROM	TO	CONCENTRATION (UG/L)	TOTAL FLOW (L)	AREA YIELD (UG/HA)
74 336 1200	74 343 1220	60.5	6.50000E+06	2.61469E+06
74 343 1220	74 350 1325	76.8	7.07000E+06	3.61021E+06
74 350 1325	74 357 1120	58.8	8.92000E+06	3.48734E+06
74 357 1120	74 364 1110	32.6	2.57000E+06	5.57061E+05
74 364 1110	75 006 1315	22.8	3.18000E+06	4.82074E+05
75 006 1315	75 013 1245	24.5	6.23000E+06	1.01486E+06
75 013 1245	75 020 1110	36.7	1.15000E+07	2.80618E+06
75 020 1110	75 027 1240	24.5	1.05000E+07	1.71044E+06
75 027 1240	75 034 1340	23.8	6.94000E+06	1.09822E+06
75 034 1340	75 041 1340	26.9	1.27000E+07	2.27148E+06
75 041 1340	75 049 1455	34.3	1.06000E+07	2.41742E+06
75 049 1455	75 055 1345	.	6.55000E+06	.
75 055 1345	75 062 1340	26.7	8.26000E+06	1.46637E+06
75 062 1340	75 069 1230	11.6	5.57000E+06	4.29601E+05
75 069 1230	75 076 1445	49.9	4.41000E+07	1.46316E+07
75 076 1445	75 083 1500	32.0	3.64000E+07	7.74468E+06
75 083 1500	75 090 1405	.	2.49000E+07	.
75 090 1405	75 097 1510	36.4	1.12000E+07	2.71064E+06
75 097 1510	75 104 1525	28.6	8.94000E+06	1.70003E+06
75 104 1525	75 111 1530	30.6	1.20000E+07	2.44149E+06
75 111 1530	75 118 1500	45.9	1.22000E+07	3.72327E+06
75 118 1500	75 125 1545	37.0	2.28000E+07	5.60904E+06
75 125 1545	75 132 1545	52.3	1.93000E+07	6.71137E+06
75 132 1545	75 139 1440	54.4	1.19000E+07	4.30426E+06
75 139 1440	75 147 1415	42.5	9.20000E+06	2.59973E+06
75 147 1415	75 153 1630	52.0	9.92000E+06	3.42979E+06
75 153 1630	75 160 1510	74.8	6.59000E+06	3.27747E+06
75 160 1510	75 167 1400	76.2	6.61000E+06	3.34895E+06
75 167 1400	75 174 1300	156.0	4.48000E+06	4.64681E+06
75 174 1300	75 181 .	50.3	1.95000E+06	6.52161E+05
75 181 .	75 188 1230	73.4	6.73000E+05	3.28445E+05
75 188 1230	75 195 1515	133.0	4.57000E+07	4.04129E+07
75 195 1515	75 202 1440	58.0	2.51000E+07	9.67952E+06
75 202 1440	75 209 1330	.	6.67000E+06	.
75 209 1330	75 216 .	122.0	2.61000E+06	2.11715E+06
75 216 .	75 223 1400	72.0	6.27000E+06	3.00160E+06
75 223 1400	75 230 1515	201.0	8.58000E+06	1.14666E+07
75 230 1515	75 237 1345	102.0	1.56000E+06	1.05798E+06
75 237 1345	75 244 1155	143.0	9.72000E+06	9.24176E+06
75 244 1155	75 251 1325	56.3	4.44000E+06	1.66205E+06
75 251 1325	75 258 1445	49.6	1.63000E+06	5.37553E+05
75 258 1445	75 265 1440	69.3	3.49000E+06	1.60809E+06
75 265 1440	75 272 1415	117.0	1.14000E+08	8.86835E+07
75 272 1415	75 280 1150	40.0	1.32000E+07	3.51064E+06
75 280 1150	75 287 1220	164.0	2.13000E+07	2.32261E+07
75 287 1220	75 293 1145	214.0	1.72000E+07	2.44734E+07
75 293 1145	75 301 1210	426.0	1.32000E+07	3.73883E+07

WEIR 103 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 322 1315	. . .	267	2.51000E+01	2.64263E+01
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		247	3.57570E+02	1.45526E+02
SPRING 1975		279	4.57200E+02	2.56219E+02
SUMMER 1975		767	3.67110E+02	8.98958E+02
FALL 1975		277	2.55990E+02	1.48172E+02
TOTAL 1975		381	1.38297E+03	1.41897E+03

WEIR 103 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1555	. . .	185	2.51000E+01	1.83103E+01
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	317	2.06000E+01	2.57500E+01
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	300	2.39000E+01	2.82729E+01
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	108	4.68000E+01	1.99306E+01
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	518	6.59000E+01	1.34606E+02
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	239	4.18000E+01	3.93935E+01
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	367	3.56000E+01	5.15189E+01
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	257	2.51000E+01	2.54365E+01
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	357	3.14000E+01	4.42027E+01
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	312	3.86000E+01	4.74890E+01
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	608	2.28000E+01	5.46625E+01
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	338	2.06000E+01	2.74558E+01
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	608	1.24000E+01	2.97287E+01
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	474	1.32000E+01	2.46719E+01
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	357	8.99000E+01	1.26555E+02
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	544	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	800	2.51000E+01	7.91798E+01
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	108	7.67000E+00	3.26640E+00
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	170	6.05000E+00	4.05560E+00
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	343	3.01000E+01	4.07110E+01
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	78	1.24000E+01	3.81388E+00
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	268	3.01000E+01	3.18091E+01
WINTER 1976		291	5.24900E+02	3.17783E+02
SPRING 1976		422	3.20530E+02	2.53647E+02

WEIR 103 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1976		544	1.47850E+02	2.30407E+02
FALL 1976		193	1.88000E+02	8.36560E+01
TOTAL 1976		348	1.13798E+03	8.60820E+02

WEIR 105 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	400	2.17000E+01	2.31467E+02
75 027 1320	. . .	22	3.83000E+00	2.24693E+00
75 034 1035	. . .	15	2.48000E+00	9.92000E-01
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	182	2.19000E+00	1.06288E+01
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	364	1.76000E+01	1.70837E+02
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	240	3.46000E+00	2.21440E+01
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	116	2.48000E+00	7.67147E+00
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	240	8.89000E+00	5.68960E+01
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	415	3.83000E+00	4.23853E+01
75 147 1035	. . .	364	1.93000E+00	1.87339E+01
75 153 1030	. . .	473	2.19000E+00	2.76232E+01
75 160 1030	. . .	676	4.92000E+01	8.86912E+02
75 167 1010	. . .	610	3.88000E+01	6.31147E+02
75 174 1040	. . .	1040	1.91000E+02	5.29707E+03
75 181 .	. . .	981	3.92000E+02	1.02547E+04
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	600	6.18000E+01	9.88800E+02
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	315	8.99000E+01	7.55160E+02
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	400	2.98000E+01	3.17867E+02
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	471	4.92000E+01	6.17952E+02
75 244 0940	. . .	416	5.55000E+00	6.15680E+01
75 251 1015	. . .	385	1.07000E+00	1.09853E+01
75 258 1045	. . .	633	6.12000E+01	1.03306E+03
75 265 1040	. . .	444	4.92000E+01	5.82528E+02
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	286	2.48000E+00	1.89141E+01
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	326	7.67000E+00	6.66779E+01
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	347	2.48000E+00	2.29483E+01
75 314 1240	. . .	373	3.11000E+00	3.09341E+01
75 321 1145	. . .	326	3.46000E+00	3.00789E+01
75 328 1035	. . .	207	2.48000E+00	1.36896E+01

WEIR 105 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		146	1.16420E+02	2.34706E+02
SPRING 1975		299	7.57500E+01	3.56920E+02
SUMMER 1975		598	1.18614E+03	1.98388E+04
FALL 1975		374	1.52020E+02	1.87138E+03
TOTAL 1975		402	1.52040E+03	2.22126E+04

WEIR 105 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1040	. . .	369	3.46000E+00	3.40464E+01
75 342 1000	. . .	281	1.93000E+00	1.44621E+01
75 349 1010	. . .	483	1.93000E+00	2.48584E+01
75 356 0915	. . .	364	1.26000E+00	1.22304E+01
75 363 1010	. . .	357	3.11000E+00	2.96072E+01
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	108	7.10000E+00	2.04480E+01
76 019 1030	. . .	100	2.19000E+00	5.84000E+00
76 026 1255	. . .	282	8.89000E+00	6.68528E+01
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	140	5.09000E+00	1.90027E+01
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	400	4.65000E+00	4.96000E+01
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	136	2.78000E+00	1.00821E+01
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	314	3.46000E+00	2.89717E+01
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	285	5.09000E+00	3.86840E+01
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	352	2.48000E+00	2.32789E+01
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	446	2.19000E+00	2.60464E+01
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	448	8.99000E+01	1.07401E+03
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	414	8.99000E+01	9.92496E+02
76 159 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	1630	1.91000E+02	8.30213E+03
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	2210	1.91000E+02	1.12563E+04
76 188 0830	. . .	1630	6.94000E+03	3.01659E+05
76 194 0855	. . .	864	1.08000E+01	2.48832E+02
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	1660	6.94000E+03	3.07211E+05
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	379	7.67000E+00	7.75181E+01
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	734	1.91000E+02	3.73851E+03
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	827	6.94000E+03	1.53050E+05
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	632	1.91000E+02	3.21899E+03
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 278 0924	. . .	227	8.99000E+01	5.44195E+02
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	255	8.99000E+01	6.11320E+02
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	395	6.56000E+00	6.90987E+01
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	373	1.69000E+00	1.68099E+01
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	714	4.65000E+00	8.85360E+01
WINTER 1976		288	7.11900E+01	2.76948E+02
SPRING 1976		342	3.25770E+02	2.19356E+03
SUMMER 1976		1190	1.51813E+04	6.33485E+05
FALL 1976		489	2.14178E+04	1.57599E+05
TOTAL 1976		574	3.67118E+04	7.92562E+05

WEIR 106 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	1300	4.18000E+01	5.70199E+02
75 027 1340	. . .	.	8.89000E+00	.
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	218	4.23000E+00	9.67618E+00
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	468	3.14000E+01	1.54199E+02
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	145	8.27000E+00	1.25829E+01
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	211	1.09000E+01	2.41333E+01
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	262	2.19000E+00	6.02078E+00
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	538	8.89000E+00	5.01870E+01
75 147 1055	. . .	778	5.09000E+00	4.15532E+01
75 153 1045	. . .	771	5.55000E+00	4.49008E+01
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	727	4.65000E+00	3.54727E+01
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	891	3.11000E+00	2.90767E+01
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	880	1.26000E+02	1.16348E+03
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	388	2.19000E+00	8.91626E+00
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	743	1.07000E+00	8.34218E+00
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	471	1.07000E+00	5.28825E+00
75 244 0930	. . .	896	1.24000E+01	1.16583E+02
75 251 1040	. . .	563	2.78000E+00	1.64233E+01
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	533	1.69000E+00	9.45194E+00
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	314	6.56000E+00	2.16143E+01
75 287 0855	. . .	215	8.27000E+00	1.86574E+01
75 293 0900	. . .	296	1.40000E+01	4.34837E+01
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	320	7.10000E+00	2.38405E+01
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	474	8.89000E+00	4.42168E+01
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		1300	9.34500E+01	5.70199E+02
SPRING 1975		424	1.55770E+02	3.43254E+02
SUMMER 1975		721	1.89600E+02	1.41206E+03
FALL 1975		451	1.60890E+02	2.94271E+02
TOTAL 1975		539	5.76670E+02	2.45830E+03

WEIR 106 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1055	. . .	277	8.89000E+00	2.58398E+01
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	362	6.05000E+00	2.29811E+01
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	357	7.67000E+00	2.87323E+01
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	200	1.40000E+01	2.93809E+01
76 019 1035	. . .	133	7.10000E+00	9.90871E+00
76 026 1013	. . .	188	7.67000E+00	1.51307E+01
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	267	1.17000E+01	3.27796E+01
76 047 0810	. . .	155	1.17000E+01	1.90294E+01
76 054 0935	. . .	400	1.09000E+01	4.57503E+01
76 061 0925	. . .	267	8.27000E+00	2.31699E+01
76 068 1000	. . .	106	7.67000E+00	8.53116E+00
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	314	8.27000E+00	2.72485E+01
76 089 1015	. . .	176	8.27000E+00	1.52730E+01
76 096 1000	. . .	285	1.17000E+01	3.49895E+01
76 103 0957	. . .	128	6.56000E+00	8.81091E+00
76 110 0955	. . .	352	6.05000E+00	2.23463E+01
76 117 0905	. . .	446	4.65000E+00	2.17618E+01
76 124 0937	. . .	492	6.05000E+00	3.12340E+01
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	736	3.11000E+00	2.40185E+01
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	622	3.11000E+00	2.02982E+01
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	943	1.08000E+01	1.06867E+02
76 173 0950	. . .	612	7.47000E+01	4.79710E+02
76 180 1000	. . .	3810	6.94000E+03	2.77454E+05
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	800	6.12000E+01	5.13746E+02
76 201 0925	. . .	766	2.98000E+01	2.39526E+02
76 208 0950	. . .	3040	1.23000E+03	3.92361E+04
76 215 0950	. . .	2110	3.92000E+02	8.67912E+03
76 222 0930	. . .	449	1.67000E+01	7.86810E+01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	721	1.59000E+01	1.20293E+02
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	1510	1.23000E+03	1.94890E+04
76 264 0915	. . .	1730	1.23000E+03	2.23284E+04
76 278 0945	. . .	270	1.26000E+00	3.56978E+00
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	218	1.69000E+00	3.86590E+00
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	485	1.09000E+01	5.54722E+01

WEIR 106 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	149	3.11000E+00	4.86243E+00
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	353	1.09000E+01	4.03746E+01
WINTER 1976		261	1.50130E+02	2.52703E+02
SPRING 1976		357	8.81600E+01	2.37682E+02
SUMMER 1976		1387	1.04950E+04	3.26929E+05
FALL 1976		674	2.92175E+03	4.19256E+04
TOTAL 1976		673	1.32517E+04	3.69301E+05

WEIR 107 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	102	2.19000E+00	7.92128E+00
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	167	7.47000E+01	4.42372E+02
75 006 1000	. . .	15	7.47000E+01	3.97340E+01
75 013 1600	. . .	793	3.11000E+00	8.74550E+01
75 027 1020	. . .	.	3.46000E+00	.
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	138	2.19000E+00	1.07170E+01
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	589	1.09000E+01	2.27663E+02
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	269	6.05000E+00	5.77110E+01
75 104 .	. . .	122	2.78000E+00	1.20270E+01
75 111 1015	. . .	80	2.78000E+00	7.88652E+00
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	298	5.55000E+00	5.86489E+01
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	313	3.46000E+00	3.84035E+01
75 147 0950	. . .	247	2.78000E+00	2.43496E+01
75 153 0945	. . .	480	2.48000E+00	4.22128E+01
75 160 0940	. . .	305	1.23000E+03	1.33032E+04
75 167 0935	. . .	378	1.07000E+00	1.43426E+01
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	423	7.47000E+01	1.12050E+03
75 188 0910	. . .	498	2.22000E+01	3.92043E+02
75 195 0955	. . .	987	4.02000E+01	1.40700E+03
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	218	1.46000E+00	1.12865E+01
75 216 .	. . .	386	8.99000E+01	1.23055E+03
75 223 1000	. . .	171	8.99000E+01	5.45138E+02
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	259	6.12000E+01	5.62085E+02
75 244 0855	. . .	512	2.19000E+00	3.97617E+01
75 251 0935	. . .	207	1.07000E+00	7.85426E+00
75 258 0935	. . .	367	4.92000E+01	6.40298E+02
75 265 1015	. . .	474	5.19000E+01	8.72362E+02
75 272 0950	. . .	.	.	.
WINTER 1975		269	1.91100E+02	5.77483E+02
SPRING 1975		282	7.23800E+01	4.79620E+02

WEIR 107 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1975		420	1.71413E+03	1.86681E+04
FALL 1975		390	1.04360E+02	1.56028E+03
TOTAL 1975		338	2.07452E+03	2.12035E+04
75 280 0800	. . .	286	.	.
75 287 0800	. . .	62	.	.
75 293 0805	. . .	356	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	213	.	.
75 314 1155	. . .	320	.	.
75 321 0900	. . .	296	.	.
75 328 0950	. . .	178	.	.
WINTER 1975		269	1.91100E+02	5.77483E+02
SPRING 1975		282	7.23800E+01	4.79620E+02
SUMMER 1975		420	1.71413E+03	1.86681E+04
FALL 1975		297	1.04360E+02	1.56028E+03
TOTAL 1975		318	2.07452E+03	2.12035E+04

WEIR 107 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1010	. . .	292	.	.
75 342 0930	. . .	196	.	.
75 349 0945	. . .	287	.	.
75 356 0845	. . .	247	.	.
75 363 0935	. . .	171	.	.
76 005 0800	. . .	80	.	.
76 012 1030	. . .	138	.	.
76 019 0930	. . .	133	.	.
76 026 0915	. . .	204	.	.
76 033 1015	. . .	580	.	.
76 040 1015	. . .	168	.	.
76 047 1215	. . .	77	.	.
76 054 0850	. . .	433	.	.
76 061 0845	. . .	222	.	.
76 068 0915	. . .	45	.	.
76 075 0915	. . .	75	.	.
76 082 0915	. . .	143	.	.
76 089 0915	. . .	217	.	.
76 096 0900	. . .	285	.	.
76 103 0910	. . .	208	.	.
76 110 0905	. . .	208	.	.
76 117 0830	. . .	246	.	.
76 124 0845	. . .	292	.	.
76 131 0800	. . .	345	.	.
76 138 0810	. . .	832	.	.
76 145 0815	. . .	1010	.	.
76 153 1630	. . .	504	.	.
76 159 0810	. . .	.	8.99000E+01	.
76 166 0750	. . .	171	4.92000E+01	2.98340E+02
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	565	3.88000E+01	7.77376E+02
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	720	4.92000E+01	1.25617E+03
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	864	1.08000E+01	3.30894E+02
76 222 0820	. . .	618	2.78000E+00	6.09234E+01
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	328	2.24000E+01	2.60539E+02
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	151	7.47000E+01	3.99989E+02
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	255	8.99000E+01	8.12926E+02
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	345	2.78000E+00	3.40106E+01
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	99	1.07000E+00	3.75638E+00

WEIR 107 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	662	4.92000E+01	1.15498E+03
WINTER 1976		231	.	.
SPRING 1976		331	.	.
SUMMER 1976		539	6.43170E+02	2.98424E+03
FALL 1976		302	5.45150E+02	2.40566E+03
TOTAL 1976		327	9.61320E+02	5.38990E+03

WEIR 108 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	291	1.02000E+01	1.97354E+01
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	182	4.23000E+00	5.11875E+00
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	502	4.68000E+01	1.56207E+02
75 027 1240	. . .	73	1.24000E+01	6.01862E+00
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	204	8.89000E+00	1.20582E+01
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	327	3.56000E+01	7.74016E+01
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	284	1.58000E+01	2.98351E+01
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	240	1.24000E+01	1.97872E+01
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	269	3.14000E+01	5.61609E+01
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	378	1.57000E+01	3.94588E+01
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	720	1.17000E+01	5.60106E+01
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	683	5.55000E+00	2.52038E+01
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	800	1.69000E+00	8.98936E+00
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	800	1.08000E+02	5.74468E+02
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	582	7.10000E+00	2.74747E+01
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	457	2.78000E+00	8.44721E+00
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	.	1.69000E+00	.
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	593	7.10000E+00	2.79940E+01
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	593	3.11000E+00	1.22622E+01
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	343	1.40000E+01	3.19282E+01
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	385	2.51000E+01	6.42520E+01
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	373	1.49000E+01	3.69528E+01

WEIR 108 1975 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	444	1.67000E+01	4.93005E+01
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		262	4.77290E+02	1.87080E+02
SPRING 1975		346	2.50990E+02	2.90712E+02
SUMMER 1975		674	3.08370E+02	7.00594E+02
FALL 1975		455	1.99980E+02	2.22690E+02
TOTAL 1975		433	1.19413E+03	1.34507E+03

WEIR 108 1976 ORGANIC NITROGEN
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1520	. . .	400	1.86000E+01	4.94681E+01
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	408	1.24000E+01	3.36383E+01
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	400	1.40000E+01	3.72340E+01
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	369	3.28000E+01	8.04734E+01
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	594	4.34000E+01	1.71407E+02
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	365	2.63000E+01	6.38265E+01
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	333	2.06000E+01	4.56104E+01
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	483	1.49000E+01	4.78504E+01
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	514	1.58000E+01	5.39973E+01
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	664	1.86000E+01	8.21170E+01
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	800	1.17000E+01	6.22340E+01
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	708	1.02000E+01	4.80160E+01
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	704	8.89000E+00	4.16128E+01
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	919	6.05000E+00	3.69678E+01
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	386	1.59000E+01	4.08072E+01
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	2590	1.93000E+00	3.32360E+01
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	604	2.51000E+01	1.00801E+02
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	184	3.83000E+00	4.68564E+00
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	194	3.46000E+00	4.46303E+00
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	315	1.58000E+01	3.30918E+01
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	131	7.10000E+00	6.18418E+00
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	376	2.06000E+01	5.15000E+01
WINTER 1976		410	3.78300E+02	4.81658E+02

WEIR 108 1976 ORGANIC NITROGEN SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		685	1.70440E+02	3.72795E+02
SUMMER 1976		1125	4.91690E+02	2.11812E+02
FALL 1976		240	4.98270E+02	9.99246E+01
TOTAL 1976		565	1.12395E+03	1.12922E+03

WEIR 101 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1145	. . .	17	2.28000E+01	1.71580E+00
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	22	1.67000E+01	1.62638E+00
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	16	2.17000E+01	1.53696E+00
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	10	4.02000E+01	1.77955E+00
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	74	3.14000E+01	1.02860E+01
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	6	3.28000E+01	8.71182E-01
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	8	3.28000E+01	1.16158E+00
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	15	1.96000E+01	1.30146E+00
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	5	2.28000E+01	5.04648E-01
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	5	3.28000E+01	7.25985E-01
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	11	1.67000E+01	8.13192E-01
76 117 0950	. . .	.	1.24000E+01	.
76 124 1017	. . .	17	2.06000E+01	1.55024E+00
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	14	8.27000E+00	5.12528E-01
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	19	1.09000E+01	9.16777E-01
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	.	1.07000E+00	.
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	38	3.88000E+01	6.52678E+00
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	32	2.19000E+00	3.10226E-01
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	44	7.24000E+01	1.41018E+01
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	61	1.69000E+00	4.56352E-01
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	19	1.07000E+00	8.99956E-02
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	20	1.32000E+01	1.16866E+00
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	19	7.67000E+00	6.45108E-01

WEIR 101 1976 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	38	1.32000E+01	2.22045E+00
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	48	2.88000E+01	6.11952E+00
WINTER 1976		22	4.43800E+02	1.89774E+01
SPRING 1976		12	2.50000E+02	6.32483E+00
SUMMER 1976		39	2.74760E+02	2.23120E+01
FALL 1976		29	3.91940E+02	1.02437E+01
TOTAL 1976		24	1.25320E+03	5.69412E+01

WEIR 101 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	16	1.86000E+01	1.31740E+00
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	33	2.39000E+01	3.49137E+00
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		21	4.42320E+02	8.18814E+00
SPRING 1975		18	4.32100E+02	1.36583E+01
SUMMER 1975		41	4.93770E+02	6.81042E+01
FALL 1975		34	2.96730E+02	1.93497E+01
TOTAL 1975		28	1.59062E+03	1.04782E+02

WEIR 101 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	30	2.51000E+01	3.33333E+00
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	27	7.10000E+00	8.48606E-01
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	14	4.51000E+01	2.79504E+00
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	12	2.28000E+01	1.21116E+00
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	10	1.32000E+01	5.84329E-01
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	9	6.17000E+01	2.45817E+00
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	8	2.39000E+01	8.46392E-01
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	9	1.86000E+01	7.41036E-01
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	13	5.03000E+01	2.89464E+00
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	16	2.28000E+01	1.61487E+00
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	58	1.76000E+01	4.51881E+00
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	36	5.55000E+00	8.84462E-01
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	27	2.78000E+00	3.32271E-01
75 188 1045	. . .	.	1.93000E+00	.
75 195 1220	. . .	44	3.05000E+02	5.94068E+01
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	29	7.10000E+00	9.11465E-01
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	34	5.09000E+00	7.66091E-01
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	57	5.09000E+00	1.28433E+00
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	31	1.24000E+01	1.70164E+00
75 258 1145	. . .	.	4.23000E+00	.
75 265 1150	. . .	40	7.10000E+00	1.25719E+00
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	22	1.86000E+01	1.81142E+00
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	62	3.56000E+01	9.77069E+00

WEIR 102 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1055	. . .	.	2.51000E+01	.
74 343 1105	. . .	21	1.96000E+01	2.14599E+00
74 350 1215	. . .	.	2.23000E+02	.
74 364 1015	. . .	12	9.54000E+00	5.96872E-01
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	11	3.14000E+01	1.80083E+00
75 027 1135	. . .	6	2.06000E+01	6.44421E-01
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	6	1.02000E+01	3.19082E-01
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	9	6.59000E+01	3.09228E+00
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	6	1.67000E+01	5.22419E-01
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	7	1.32000E+01	4.81752E-01
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	8	4.51000E+01	1.88113E+00
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	7	2.06000E+01	7.51825E-01
75 147 1150	. . .	.	1.02000E+01	.
75 153 1400	. . .	35	1.02000E+01	1.86131E+00
75 160 1210	. . .	.	3.83000E+00	.
75 167 1130	. . .	12	3.11000E+00	1.94578E-01
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	16	1.69000E+00	1.40980E-01
75 195 1240	. . .	37	3.73000E+02	7.19552E+01
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	21	4.65000E+00	5.09124E-01
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	40	2.48000E+00	5.17205E-01
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	18	2.78000E+00	2.60897E-01
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	29	8.27000E+00	1.25042E+00
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	24	4.65000E+00	5.81856E-01
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	20	1.24000E+01	1.29301E+00
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	30	2.51000E+01	3.92596E+00
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	26	1.32000E+01	1.78936E+00
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 321 0940	. . .	62	1.96000E+01	6.33577E+00
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		12	4.24830E+02	5.18811E+00
SPRING 1975		11	3.61200E+02	8.90980E+00
SUMMER 1975		26	5.06210E+02	7.54393E+01
FALL 1975		32	2.11800E+02	1.51764E+01
TOTAL 1975		20	1.44724E+03	1.02852E+02

WEIR 1021976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1200	. . .	29	1.86000E+01	2.81230E+00
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	31	1.32000E+01	2.13347E+00
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	13	1.76000E+01	1.19291E+00
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	21	3.86000E+01	4.22628E+00
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	28	2.88000E+01	4.20438E+00
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	9	2.51000E+01	1.17779E+00
76 047 0915	. . .	.	2.39000E+01	.
76 054 1055	. . .	30	2.63000E+01	4.11366E+00
76 061 1040	. . .	.	1.76000E+01	.
76 068 1100	. . .	21	1.49000E+01	1.63139E+00
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	61	1.96000E+01	6.23358E+00
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	24	2.75000E+01	3.44108E+00
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	29	1.32000E+01	1.99583E+00
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	21	1.49000E+01	1.63139E+00
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	27	7.67000E+00	1.07972E+00
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	25	7.67000E+00	9.99739E-01
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	.	4.92000E+01	.
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	16	7.47000E+01	6.23149E+00
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	17	1.67000E+01	1.48019E+00
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	6	3.88000E+01	1.21376E+00
76 278 1105	. . .	15	8.89000E+00	6.95255E-01
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	17	5.55000E+00	4.91919E-01
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	9	2.88000E+01	1.35141E+00
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	6	9.54000E+00	2.98436E-01
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	26	2.39000E+01	3.23983E+00
WINTER 1976		23	3.55800E+02	1.98608E+01

WEIR 102 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		30	2.04520E+02	1.70127E+01
SUMMER 1976		19	2.39820E+02	8.71142E+00
FALL 1976		13	2.36650E+02	7.29062E+00
TOTAL 1976		22	1.01152E+03	5.18758E+01

WEIR 103 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	42	8.89000E+00	1.47232E+00
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	16	4.65000E+00	2.93375E-01
75 006 1200	. . .	.	4.23000E+00	.
75 013 1200	. . .	20	4.51000E+01	3.55678E+00
75 027 1155	. . .	0	1.76000E+01	0.00000E+00
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	6	1.24000E+01	2.93375E-01
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	19	7.93000E+01	5.94125E+00
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	3	2.75000E+01	3.25315E-01
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	13	1.96000E+01	1.00473E+00
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	27	5.39000E+01	5.73856E+00
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	32	2.63000E+01	3.31861E+00
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	45	1.58000E+01	2.80363E+00
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	45	3.28000E+01	5.82019E+00
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	3	2.78000E+00	3.28864E-02
75 195 1600	. . .	75	2.02000E+02	5.97397E+01
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	44	6.56000E+00	1.13817E+00
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	46	2.48000E+00	4.49842E-01
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	46	2.48000E+00	4.49842E-01
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	45	4.65000E+00	8.25118E-01
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	18	1.67000E+01	1.18533E+00
75 287 1235	. . .	.	2.06000E+01	.
75 293 1215	. . .	54	2.75000E+01	5.85568E+00
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	30	1.96000E+01	2.31861E+00
75 314 1605	. . .	.	2.39000E+01	.

WEIR 103 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 322 1315	. . .	35	2.51000E+01	3.46412E+00
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		19	3.57570E+02	5.32248E+00
SPRING 1975		21	4.57200E+02	1.94255E+01
SUMMER 1975		43	3.67110E+02	6.99845E+01
FALL 1975		38	2.55990E+02	1.40987E+01
TOTAL 1975		30	1.38297E+03	1.06027E+02

WEIR 103 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1555	. . .	28	2.51000E+01	2.77129E+00
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	27	2.06000E+01	2.19322E+00
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	16	2.39000E+01	1.50789E+00
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	16	4.68000E+01	2.95268E+00
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	17	6.59000E+01	4.41759E+00
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	16	4.18000E+01	2.63722E+00
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	25	3.56000E+01	3.50946E+00
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	38	2.51000E+01	3.76104E+00
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	39	3.14000E+01	4.82886E+00
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	31	3.86000E+01	4.71845E+00
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	36	2.28000E+01	3.23659E+00
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	22	2.06000E+01	1.78707E+00
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	43	1.24000E+01	2.10252E+00
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	34	1.32000E+01	1.76972E+00
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	23	8.99000E+01	8.15339E+00
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	60	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	15	2.51000E+01	1.48462E+00
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	39	7.67000E+00	1.17953E+00
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	12	6.05000E+00	2.86278E-01
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	12	3.01000E+01	1.42429E+00
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	12	1.24000E+01	5.86751E-01
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	32	3.01000E+01	3.79811E+00
WINTER 1976		21	5.24900E+02	1.99894E+01
SPRING 1976		35	3.20530E+02	2.22043E+01

WEIR 103 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1976		33	1.47850E+02	1.14077E+01
FALL 1976		21	1.88000E+02	7.27496E+00
TOTAL 1976		27	1.13798E+03	5.91066E+01

WEIR 105 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	20	2.17000E+01	1.15733E+01
75 027 1320	. . .	8	3.83000E+00	8.17067E-01
75 034 1035	. . .	.	2.48000E+00	.
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	4	2.19000E+00	2.33600E-01
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	15	1.76000E+01	7.04000E+00
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	10	3.46000E+00	9.22667E-01
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	5	2.48000E+00	3.30667E-01
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	8	8.89000E+00	1.89653E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	6	3.83000E+00	6.12800E-01
75 147 1035	. . .	.	1.93000E+00	.
75 153 1030	. . .	17	2.19000E+00	9.92800E-01
75 160 1030	. . .	.	4.92000E+01	.
75 167 1010	. . .	12	3.88000E+01	1.24160E+01
75 174 1040	. . .	.	1.91000E+02	.
75 181 .	. . .	16	3.92000E+02	1.67253E+02
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	32	6.18000E+01	5.27360E+01
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	16	8.99000E+01	3.83573E+01
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	13	2.98000E+01	1.03307E+01
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	17	4.92000E+01	2.23040E+01
75 244 0940	. . .	.	5.55000E+00	.
75 251 1015	. . .	17	1.07000E+00	4.85067E-01
75 258 1045	. . .	.	6.12000E+01	.
75 265 1040	. . .	18	4.92000E+01	2.36160E+01
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	7	2.48000E+00	4.62933E-01
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	21	7.67000E+00	4.29520E+00
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	12	2.48000E+00	7.93600E-01
75 314 1240	. . .	.	3.11000E+00	.
75 321 1145	. . .	19	3.46000E+00	1.75307E+00
75 328 1035	. . .	.	2.48000E+00	.

WEIR 105 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		14	1.16420E+02	1.23904E+01
SPRING 1975		9	7.57500E+01	1.20291E+01
SUMMER 1975		18	1.18614E+03	3.04390E+02
FALL 1975		16	1.52020E+02	3.14059E+01
TOTAL 1975		14	1.52040E+03	3.59223E+02

WEIR 1051976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1040	. . .	73	3.46000E+00	6.73547E+00
75 342 1000	. . .	.	1.93000E+00	.
75 349 1010	. . .	13	1.93000E+00	6.69067E-01
75 356 0915	. . .	.	1.26000E+00	.
75 363 1010	. . .	11	3.11000E+00	9.20560E-01
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	14	7.10000E+00	2.65067E+00
76 019 1030	. . .	.	2.19000E+00	.
76 026 1255	. . .	9	8.89000E+00	2.13360E+00
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	9	5.09000E+00	1.22160E+00
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	6	4.65000E+00	7.44000E-01
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	9	2.78000E+00	6.67200E-01
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	11	3.46000E+00	1.01493E+00
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	21	5.09000E+00	2.85040E+00
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	9	2.48000E+00	5.95200E-01
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	6	2.19000E+00	3.50400E-01
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	8	8.99000E+01	1.91787E+01
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	13	8.99000E+01	3.11653E+01
76 159 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	8	1.91000E+02	4.07467E+01
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	31	1.91000E+02	1.57893E+02
76 188 0830	. . .	.	6.94000E+03	.
76 194 0855	. . .	23	1.08000E+01	6.62400E+00
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	21	6.94000E+03	3.88640E+03
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	17	7.67000E+00	3.47707E+00
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	36	1.91000E+02	1.83360E+02
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	52	6.94000E+03	9.62347E+03
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	9	1.91000E+02	4.58400E+01
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 278 0924	. . .	7	8.99000E+01	1.67813E+01
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	13	8.99000E+01	3.11653E+01
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	13	6.56000E+00	2.27413E+00
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	11	1.69000E+00	4.95733E-01
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	64	4.65000E+00	7.93600E+00
WINTER 1976		19	7.11900E+01	1.50750E+01
SPRING 1976		11	3.25770E+02	5.58221E+01
SUMMER 1976		21	1.51813E+04	4.30967E+03
FALL 1976		24	2.14178E+04	9.72796E+03
TOTAL 1976		19	3.67118E+04	1.40774E+04

WEIR 106 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	71	4.18000E+01	3.11417E+01
75 027 1340	. . .	5	8.89000E+00	4.66422E-01
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	6	4.23000E+00	2.66317E-01
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	8	3.14000E+01	2.63589E+00
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	8	8.27000E+00	6.94229E-01
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	10	1.09000E+01	1.14376E+00
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	20	2.19000E+00	4.59601E-01
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	13	8.89000E+00	1.21270E+00
75 147 1055	. . .	.	5.09000E+00	.
75 153 1045	. . .	77	5.55000E+00	4.48426E+00
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	30	4.65000E+00	1.46380E+00
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	17	3.11000E+00	5.54774E-01
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	64	1.26000E+02	8.46170E+01
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	33	2.19000E+00	7.58342E-01
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	19	1.07000E+00	2.13326E-01
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	15	1.07000E+00	1.68416E-01
75 244 0930	. . .	.	1.24000E+01	.
75 251 1040	. . .	32	2.78000E+00	9.33473E-01
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	18	1.69000E+00	3.19203E-01
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	12	6.56000E+00	8.26023E-01
75 287 0855	. . .	.	8.27000E+00	.
75 293 0900	. . .	21	1.40000E+01	3.08499E+00
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	10	7.10000E+00	7.45016E-01
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	19	8.89000E+00	1.77240E+00
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		38	9.34500E+01	3.16081E+01
SPRING 1975		20	1.55770E+02	1.08967E+01
SUMMER 1975		36	1.89600E+02	9.22599E+01
FALL 1975		19	1.60890E+02	7.68111E+00
TOTAL 1975		24	5.76670E+02	1.37962E+02

WEIR 106 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1055	. . .	13	8.89000E+00	1.21270E+00
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	18	6.05000E+00	1.14271E+00
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	6	7.67000E+00	4.82896E-01
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	10	1.40000E+01	1.46905E+00
76 019 1035	. . .	.	7.10000E+00	.
76 026 1013	. . .	28	7.67000E+00	2.25352E+00
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	6	1.17000E+01	7.36621E-01
76 047 0810	. . .	.	1.17000E+01	.
76 054 0935	. . .	6	1.09000E+01	6.86254E-01
76 061 0925	. . .	.	8.27000E+00	.
76 068 1000	. . .	15	7.67000E+00	1.20724E+00
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	9	8.27000E+00	7.81007E-01
76 089 1015	. . .	.	8.27000E+00	.
76 096 1000	. . .	16	1.17000E+01	1.96432E+00
76 103 0957	. . .	.	6.56000E+00	.
76 110 0955	. . .	12	6.05000E+00	7.61805E-01
76 117 0905	. . .	.	4.65000E+00	.
76 124 0937	. . .	12	6.05000E+00	7.61805E-01
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	4	3.11000E+00	1.30535E-01
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	28	3.11000E+00	9.13746E-01
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	27	1.08000E+01	3.05981E+00
76 173 0950	. . .	.	7.47000E+01	.
76 180 1000	. . .	28	6.94000E+03	2.03903E+03
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	24	6.12000E+01	1.54124E+01
76 201 0925	. . .	.	2.98000E+01	.
76 208 0950	. . .	44	1.23000E+03	5.67891E+02
76 215 0950	. . .	.	3.92000E+02	.
76 222 0930	. . .	6	1.67000E+01	1.05142E+00
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	9	1.59000E+01	1.50157E+00
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	14	1.23000E+03	1.80693E+02
76 264 0915	. . .	35	1.23000E+03	4.51731E+02
76 278 0945	. . .	8	1.26000E+00	1.05771E-01
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	25	1.69000E+00	4.43337E-01
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	6	1.09000E+01	6.86254E-01

WEIR 106 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	8	3.11000E+00	2.61070E-01
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	74	1.09000E+01	8.46380E+00
WINTER 1976		12	1.50130E+02	7.98374E+00
SPRING 1976		14	8.81600E+01	6.52046E+00
SUMMER 1976		24	1.04950E+04	2.62886E+03
FALL 1976		24	2.92175E+03	6.42384E+02
TOTAL 1976		18	1.32517E+04	3.28484E+03

WEIR 107 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	26	2.19000E+00	2.01915E+00
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	37	7.47000E+01	9.80106E+01
75 006 1000	. . .	.	7.47000E+01	.
75 013 1600	. . .	86	3.11000E+00	9.48440E+00
75 027 1020	. . .	8	3.46000E+00	9.81560E-01
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	9	2.19000E+00	6.98936E-01
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	16	1.09000E+01	6.18440E+00
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	18	6.05000E+00	3.86170E+00
75 104 .	. . .	.	2.78000E+00	.
75 111 1015	. . .	7	2.78000E+00	6.90071E-01
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	9	5.55000E+00	1.77128E+00
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	17	3.46000E+00	2.08582E+00
75 147 0950	. . .	.	2.78000E+00	.
75 153 0945	. . .	17	2.48000E+00	1.49504E+00
75 160 0940	. . .	.	1.23000E+03	.
75 167 0935	. . .	23	1.07000E+00	8.72695E-01
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	6	7.47000E+01	1.58936E+01
75 188 0910	. . .	.	2.22000E+01	.
75 195 0955	. . .	142	4.02000E+01	2.02426E+02
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	29	1.46000E+00	1.50142E+00
75 216 .	. . .	.	8.99000E+01	.
75 223 1000	. . .	47	8.99000E+01	1.49833E+02
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	64	6.12000E+01	1.38894E+02
75 244 0855	. . .	.	2.19000E+00	.
75 251 0935	. . .	56	1.07000E+00	2.12482E+00
75 258 0935	. . .	.	4.92000E+01	.
75 265 1015	. . .	43	5.19000E+01	7.91383E+01
75 272 0950	. . .	.	.	.
WINTER 1975		39	1.91100E+02	1.10496E+02
SPRING 1975		13	7.23800E+01	1.67872E+01

WEIR 107 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1975		47	1.71413E+03	5.10915E+02
FALL 1975		49	1.04360E+02	8.12631E+01
TOTAL 1975		35	2.07452E+03	7.17966E+02
75 280 0800	. . .	15	.	.
75 287 0800	. . .	.	.	.
75 293 0805	. . .	32	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	14	.	.
75 314 1155	. . .	.	.	.
75 321 0900	. . .	62	.	.
75 328 0950	. . .	.	.	.
WINTER 1975		39	1891100E+02	1.10496E+02
SPRING 1975		13	7.23800E+01	1.67872E+01
SUMMER 1975		47	1.71413E+03	5.10915E+02
FALL 1975		37	1.04360E+02	8.12631E+01
TOTAL 1975		34	2.07452E+03	7.17966E+02

WEIR 107 1976 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1010	. . .	19	.	.
75 342 0930	. . .	.	.	.
75 349 0945	. . .	24	.	.
75 356 0845	. . .	.	.	.
75 363 0935	. . .	16	.	.
76 005 0800	. . .	.	.	.
76 012 1030	. . .	12	.	.
76 019 0930	. . .	.	.	.
76 026 0915	. . .	70	.	.
76 033 1015	. . .	.	.	.
76 040 1015	. . .	9	.	.
76 047 1215	. . .	.	.	.
76 054 0850	. . .	19	.	.
76 061 0845	. . .	.	.	.
76 068 0915	. . .	21	.	.
76 075 0915	. . .	.	.	.
76 082 0915	. . .	9	.	.
76 089 0915	. . .	.	.	.
76 096 0900	. . .	12	.	.
76 103 0910	. . .	.	.	.
76 110 0905	. . .	14	.	.
76 117 0830	. . .	.	.	.
76 124 0845	. . .	37	.	.
76 131 0800	. . .	.	.	.
76 138 0810	. . .	10	.	.
76 145 0815	. . .	.	.	.
76 153 1630	. . .	25	.	.
76 159 0810	. . .	.	8.99000E+01	.
76 166 0750	. . .	50	4.92000E+01	8.72340E+01
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	69	3.88000E+01	9.49362E+01
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	68	4.92000E+01	1.18638E+02
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	53	1.08000E+01	2.02979E+01
76 222 0820	. . .	19	2.78000E+00	1.87305E+00
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	79	2.24000E+01	6.27518E+01
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	42	7.47000E+01	1.11255E+02
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	46	8.99000E+01	1.46645E+02
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	11	2.78000E+00	1.08440E+00
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	18	1.07000E+00	6.82979E-01

WEIR 107 1976 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	95	4.92000E+01	1.65745E+02
WINTER 1976		24	.	.
SPRING 1976		18	.	.
SUMMER 1976		52	6.43170E+02	3.85731E+02
FALL 1976		42	5.45150E+02	4.25413E+02
TOTAL 1976		34	9.61320E+02	8.11144E+02

WEIR 108 1975 DISSOLVED INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	25	1.02000E+01	1.69548E+00
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	9	4.23000E+00	2.53125E-01
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	28	4.68000E+01	8.71277E+00
75 027 1240	. . .	7	1.24000E+01	5.77128E-01
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	9	8.89000E+00	5.31981E-01
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	9	3.56000E+01	2.13032E+00
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	6	1.58000E+01	6.30319E-01
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	6	1.24000E+01	4.94681E-01
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	7	3.14000E+01	1.46144E+00
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	13	1.57000E+01	1.35705E+00
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	37	1.17000E+01	2.87832E+00
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	65	5.55000E+00	2.39860E+00
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	57	1.69000E+00	6.40492E-01
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	26	1.08000E+02	1.86702E+01
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	43	7.10000E+00	2.02992E+00
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	45	2.78000E+00	8.31782E-01
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	47	1.69000E+00	5.28125E-01
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	46	7.10000E+00	2.17154E+00
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	62	3.11000E+00	1.28205E+00
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	24	1.40000E+01	2.23404E+00
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	48	2.51000E+01	8.01064E+00
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	28	1.49000E+01	2.77394E+00

WEIR 108 1975 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	30	1.67000E+01	3.33112E+00
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		17	4.77290E+02	1.12385E+01
SPRING 1975		12	2.50990E+02	9.48411E+00
SUMMER 1975		46	3.08370E+02	2.79775E+01
FALL 1975		40	1.99980E+02	1.98033E+01
TOTAL 1975		29	1.19413E+03	6.56251E+01

WEIR 108 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1520	. . .	26	1.86000E+01	3.21543E+00
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	28	1.24000E+01	2.30851E+00
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	11	1.40000E+01	1.02394E+00
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	7	3.28000E+01	1.52660E+00
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	17	4.34000E+01	4.90559E+00
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	13	2.63000E+01	2.27327E+00
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	47	2.06000E+01	6.43750E+00
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	44	1.49000E+01	4.35904E+00
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	27	1.58000E+01	2.83644E+00
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	45	1.86000E+01	5.56516E+00
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	54	1.17000E+01	4.20080E+00
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	42	1.02000E+01	2.84840E+00
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	36	8.89000E+00	2.12793E+00
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	63	6.05000E+00	2.53424E+00
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	22	1.59000E+01	2.32580E+00
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	13	1.93000E+00	1.66822E-01
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	68	2.51000E+01	1.13484E+01
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	23	3.83000E+00	5.85705E-01
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	12	3.46000E+00	2.76064E-01
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	7	1.58000E+01	7.35372E-01
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	4	7.10000E+00	1.88830E-01
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	75	2.06000E+01	1.02726E+01
WINTER 1976		21	3.78300E+02	2.16908E+01

WEIR 108 1976 DISSOLVED INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		44	1.70440E+02	2.44720E+01
SUMMER 1976		41	4.91690E+02	1.63753E+01
FALL 1976		24	4.98270E+02	1.20586E+01
TOTAL 1976		31	1.12395E+03	7.20624E+01

WEIR 101 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	64	2.51000E+01	7.11111E+00
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	80	7.10000E+00	2.51439E+00
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	142	4.51000E+01	2.83497E+01
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	37	2.28000E+01	3.73440E+00
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	49	1.32000E+01	2.86321E+00
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	136	6.17000E+01	3.71456E+01
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	28	2.39000E+01	2.96237E+00
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	38	1.86000E+01	3.12882E+00
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	60	5.03000E+01	1.33599E+01
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	147	2.28000E+01	1.48367E+01
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	198	1.76000E+01	1.54263E+01
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	163	5.55000E+00	4.00465E+00
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	199	2.78000E+00	2.44896E+00
75 188 1045	. . .	.	1.93000E+00	.
75 195 1220	. . .	516	3.05000E+02	6.96680E+02
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	93	7.10000E+00	2.92297E+00
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	179	5.09000E+00	4.03324E+00
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	107	5.09000E+00	2.41093E+00
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	99	1.24000E+01	5.43426E+00
75 258 1145	. . .	.	4.23000E+00	.
75 265 1150	. . .	129	7.10000E+00	4.05445E+00
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	77	1.86000E+01	6.33997E+00
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	161	3.56000E+01	2.53723E+01

WEIR 101 1975 INORGANIC PHOSPHORDUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	78	1.86000E+01	6.42231E+00
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	72	2.39000E+01	7.61753E+00
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		81	4.42320E+02	4.17096E+01
SPRING 1975		94	4.32100E+02	8.97229E+01
SUMMER 1975		208	4.93770E+02	7.27927E+02
FALL 1975		103	2.96730E+02	5.52408E+01
TOTAL 1975		124	1.59062E+03	8.99174E+02

WEIR 101 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1145	. . .	74	2.28000E+01	7.46879E+00
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	84	1.67000E+01	6.20983E+00
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	50	2.17000E+01	4.80301E+00
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	49	4.02000E+01	8.71979E+00
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	96	3.14000E+01	1.33440E+01
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	44	3.28000E+01	6.38867E+00
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	85	3.28000E+01	1.23417E+01
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	62	1.96000E+01	5.37937E+00
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	46	2.28000E+01	4.64276E+00
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	113	3.28000E+01	1.64073E+01
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	79	1.67000E+01	5.84019E+00
76 117 0950	. . .	.	1.24000E+01	.
76 124 1017	. . .	87	2.06000E+01	7.93360E+00
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	80	8.27000E+00	2.92873E+00
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	84	1.09000E+01	4.05312E+00
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	263	1.07000E+00	1.24573E+00
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	476	3.88000E+01	8.17565E+01
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	139	2.19000E+00	1.34754E+00
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	222	7.24000E+01	7.11501E+01
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	154	1.69000E+00	1.15210E+00
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	149	1.07000E+00	7.05755E-01
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	85	1.32000E+01	4.96680E+00
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	77	7.67000E+00	2.61439E+00

WEIR 101 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	42	1.32000E+01	2.45418E+00
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	82	2.88000E+01	1.04542E+01
WINTER 1976		69	4.43800E+02	5.92758E+01
SPRING 1976		79	2.50000E+02	4.71850E+01
SUMMER 1976		223	2.74760E+02	1.60705E+02
FALL 1976		87	3.91940E+02	2.11953E+01
TOTAL 1976		113	1.25320E+03	2.84308E+02

WEIR 102 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1055	. . .	.	2.51000E+01	.
74 343 1105	. . .	55	1.96000E+01	5.62044E+00
74 350 1215	. . .	.	2.23000E+02	.
74 364 1015	. . .	37	9.54000E+00	1.84035E+00
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	44	3.14000E+01	7.20334E+00
75 027 1135	. . .	21	2.06000E+01	2.25547E+00
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	15	1.02000E+01	7.97706E-01
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	56	6.59000E+01	1.92409E+01
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	27	1.67000E+01	2.35089E+00
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	33	1.32000E+01	2.27112E+00
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	33	4.51000E+01	7.75965E+00
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	71	2.06000E+01	7.62565E+00
75 147 1150	. . .	.	1.02000E+01	.
75 153 1400	. . .	142	1.02000E+01	7.55162E+00
75 160 1210	. . .	.	3.83000E+00	.
75 167 1130	. . .	217	3.11000E+00	3.51861E+00
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	256	1.69000E+00	2.25568E+00
75 195 1240	. . .	536	3.73000E+02	1.04238E+03
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	129	4.65000E+00	3.12748E+00
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	216	2.48000E+00	2.79291E+00
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	155	2.78000E+00	2.24661E+00
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	111	8.27000E+00	4.78608E+00
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	151	4.65000E+00	3.66084E+00
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	103	1.24000E+01	6.65902E+00
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	118	2.51000E+01	1.54421E+01
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	132	1.32000E+01	9.08446E+00
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 321 0940	. . .	103	1.96000E+01	1.05255E+01
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		39	4.24830E+02	1.69196E+01
SPRING 1975		54	3.61200E+02	4.75975E+01
SUMMER 1975		236	5.06210E+02	1.06387E+03
FALL 1975		120	2.11800E+02	5.01581E+01
TOTAL 1975		120	1.44724E+03	1.17099E+03

WEIR 102 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1200	. . .	139	1.86000E+01	1.34797E+01
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	113	1.32000E+01	7.77685E+00
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	70	1.76000E+01	6.42336E+00
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	108	3.86000E+01	2.17351E+01
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	213	2.88000E+01	3.19833E+01
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	47	2.51000E+01	6.15068E+00
76 047 0915	. . .	.	2.39000E+01	.
76 054 1055	. . .	77	2.63000E+01	1.05584E+01
76 061 1040	. . .	.	1.76000E+01	.
76 068 1100	. . .	129	1.49000E+01	1.00214E+01
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	80	1.96000E+01	8.17518E+00
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	141	2.75000E+01	2.02164E+01
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	123	1.32000E+01	8.46507E+00
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	156	1.49000E+01	1.21189E+01
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	165	7.67000E+00	6.59828E+00
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	113	7.67000E+00	4.51882E+00
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	290	4.92000E+01	7.43900E+01
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	97	7.47000E+01	3.77784E+01
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	97	1.67000E+01	8.44578E+00
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	49	3.88000E+01	9.91241E+00
76 278 1105	. . .	63	8.89000E+00	2.92007E+00
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	42	5.55000E+00	1.21533E+00
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	33	2.88000E+01	4.95516E+00
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	28	9.54000E+00	1.39270E+00
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	64	2.39000E+01	7.97497E+00
WINTER 1976		110	3.55800E+02	9.81074E+01

WEIR 102 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		130	2.04520E+02	7.01140E+01
SUMMER 1976		149	2.39820E+02	1.25133E+02
FALL 1976		46	2.36650E+02	2.83706E+01
TOTAL 1976		106	1.01152E+03	3.17206E+02

WEIR 103 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	70	8.89000E+00	2.45386E+00
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	31	4.65000E+00	5.68415E-01
75 006 1200	. . .	.	4.23000E+00	.
75 013 1200	. . .	154	4.51000E+01	2.73872E+01
75 027 1155	. . .	25	1.76000E+01	1.73502E+00
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	17	1.24000E+01	8.31230E-01
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	57	7.93000E+01	1.78237E+01
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	10	2.75000E+01	1.08438E+00
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	37	1.96000E+01	2.85962E+00
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	42	5.39000E+01	8.92666E+00
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	87	2.63000E+01	9.02248E+00
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	147	1.58000E+01	9.15852E+00
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	194	3.28000E+01	2.50915E+01
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	225	2.78000E+00	2.46648E+00
75 195 1600	. . .	210	2.02000E+02	1.67271E+02
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	150	6.56000E+00	3.88013E+00
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	217	2.48000E+00	2.12208E+00
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	112	2.48000E+00	1.09527E+00
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	111	4.65000E+00	2.03529E+00
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	82	1.67000E+01	5.39984E+00
75 287 1235	. . .	.	2.06000E+01	.
75 293 1215	. . .	137	2.75000E+01	1.48561E+01
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	94	1.96000E+01	7.26498E+00
75 314 1605	. . .	.	2.39000E+01	.

WEIR 103 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 322 1315	. . .	76	2.51000E+01	7.52208E+00
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		70	3.57570E+02	3.21445E+01
SPRING 1975		57	4.57200E+02	4.97066E+01
SUMMER 1975		190	3.67110E+02	2.09990E+02
FALL 1975		102	2.55990E+02	3.81735E+01
TOTAL 1975		104	1.38297E+03	3.20856E+02

WEIR 103 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1555	. . .	103	2.51000E+01	1.01944E+01
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	78	2.06000E+01	6.33596E+00
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	67	2.39000E+01	6.31427E+00
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	53	4.68000E+01	9.78076E+00
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	175	6.59000E+01	4.54752E+01
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	56	4.18000E+01	9.23028E+00
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	79	3.56000E+01	1.10899E+01
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	126	2.51000E+01	1.24708E+01
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	112	3.14000E+01	1.38675E+01
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	155	3.86000E+01	2.35923E+01
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	161	2.28000E+01	1.44748E+01
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	86	2.06000E+01	6.98580E+00
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	116	1.24000E+01	5.67192E+00
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	120	1.32000E+01	6.24606E+00
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	125	8.99000E+01	4.43119E+01
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	139	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	239	2.51000E+01	2.36550E+01
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	81	7.67000E+00	2.44980E+00
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	68	6.05000E+00	1.62224E+00
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	38	3.01000E+01	4.51025E+00
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	41	1.24000E+01	2.00473E+00
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	77	3.01000E+01	9.13920E+00
WINTER 1976		87	5.24900E+02	9.84207E+01
SPRING 1976		125	3.20530E+02	8.33091E+01

WEIR 103 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1976		156	1.47850E+02	7.42129E+01
FALL 1976		61	1.88000E+02	1.97262E+01
TOTAL 1976		104	1.13798E+03	2.69423E+02

WEIR 105 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	61	2.17000E+01	3.52987E+01
75 027 1320	. . .	18	3.83000E+00	1.83840E+00
75 034 1035	. . .	.	2.48000E+00	.
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	19	2.19000E+00	1.10960E+00
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	46	1.76000E+01	2.15893E+01
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	19	3.46000E+00	1.75307E+00
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	29	2.48000E+00	1.91787E+00
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	25	8.89000E+00	5.92667E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	51	3.83000E+00	5.20880E+00
75 147 1035	. . .	.	1.93000E+00	.
75 153 1030	. . .	76	2.19000E+00	4.43840E+00
75 160 1030	. . .	.	4.92000E+01	.
75 167 1010	. . .	125	3.88000E+01	1.29333E+02
75 174 1040	. . .	.	1.91000E+02	.
75 181 .	. . .	294	3.92000E+02	3.07328E+03
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	138	6.18000E+01	2.27424E+02
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	75	8.99000E+01	1.79800E+02
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	136	2.98000E+01	1.08075E+02
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	161	4.92000E+01	2.11232E+02
75 244 0940	. . .	.	5.55000E+00	.
75 251 1015	. . .	82	1.07000E+00	2.33973E+00
75 258 1045	. . .	.	6.12000E+01	.
75 265 1040	. . .	118	4.92000E+01	1.54816E+02
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	65	2.48000E+00	4.29867E+00
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	52	7.67000E+00	1.06357E+01
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	60	2.48000E+00	3.96800E+00
75 314 1240	. . .	.	3.11000E+00	.
75 321 1145	. . .	48	3.46000E+00	4.42880E+00
75 328 1035	. . .	.	2.48000E+00	.

WEIR 105 1975 INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		39	1.16420E+02	3.71371E+01
SPRING 1975		38	7.57500E+01	4.19437E+01
SUMMER 1975		144	1.18614E+03	3.93358E+03
FALL 1975		71	1.52020E+02	1.80487E+02
TOTAL 1975		81	1.52040E+03	4.18871E+03

WEIR 105 1976 INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1040	. . .	111	3.46000E+00	1.02416E+01
75 342 1000	. . .	.	1.93000E+00	.
75 349 1010	. . .	81	1.93000E+00	4.16880E+00
75 356 0915	. . .	.	1.26000E+00	.
75 363 1010	. . .	44	3.11000E+00	3.64907E+00
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	30	7.10000E+00	5.68000E+00
76 019 1030	. . .	.	2.19000E+00	.
76 026 1255	. . .	60	8.89000E+00	1.42240E+01
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	22	5.09000E+00	2.98613E+00
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	55	4.65000E+00	6.82000E+00
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	53	2.78000E+00	3.92907E+00
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	55	3.46000E+00	5.07467E+00
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	61	5.09000E+00	8.27973E+00
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	84	2.48000E+00	5.55520E+00
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	46	2.19000E+00	2.68640E+00
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	67	8.99000E+01	1.60621E+02
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	11	8.99000E+01	2.63707E+01
76 159 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	77	1.91000E+02	3.92187E+02
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	607	1.91000E+02	3.09165E+03
76 188 0830	. . .	.	6.94000E+03	.
76 194 0855	. . .	68	1.08000E+01	1.95840E+01
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	895	6.94000E+03	1.65635E+05
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	48	7.67000E+00	9.81760E+00
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	100	1.91000E+02	5.09333E+02
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	121	6.94000E+03	2.23931E+04
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	64	1.91000E+02	3.25973E+02
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 278 0924	. . .	37	8.99000E+01	8.87013E+01
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	58	8.99000E+01	1.39045E+02
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	30	6.56000E+00	5.24800E+00
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	27	1.69000E+00	1.21680E+00
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	77	4.65000E+00	9.54800E+00
WINTER 1976		58	7.11900E+01	4.77696E+01
SPRING 1976		54	3.25770E+02	2.12517E+02
SUMMER 1976		258	1.51813E+04	1.69684E+05
FALL 1976		59	2.14178E+04	2.29628E+04
TOTAL 1976		111	3.67118E+04	1.92880E+05

WEIR 106 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	228	4.18000E+01	1.00004E+02
75 027 1340	. . .	16	8.89000E+00	1.49255E+00
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	22	4.23000E+00	9.76495E-01
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	75	3.14000E+01	2.47114E+01
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	30	8.27000E+00	2.60336E+00
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	41	1.09000E+01	4.68940E+00
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	34	2.19000E+00	7.81322E-01
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	83	8.89000E+00	7.74260E+00
75 147 1055	. . .	.	5.09000E+00	.
75 153 1045	. . .	249	5.55000E+00	1.45010E+01
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	200	4.65000E+00	9.75866E+00
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	225	3.11000E+00	7.34260E+00
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	295	1.26000E+02	3.90031E+02
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	149	2.19000E+00	3.42403E+00
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	232	1.07000E+00	2.60483E+00
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	166	1.07000E+00	1.86380E+00
75 244 0930	. . .	.	1.24000E+01	.
75 251 1040	. . .	111	2.78000E+00	3.23799E+00
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	134	1.69000E+00	2.37629E+00
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	66	6.56000E+00	4.54313E+00
75 287 0855	. . .	.	8.27000E+00	.
75 293 0900	. . .	75	1.40000E+01	1.10178E+01
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	89	7.10000E+00	6.63064E+00
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	59	8.89000E+00	5.50378E+00
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		122	9.34500E+01	1.01497E+02
SPRING 1975		76	1.55770E+02	5.60057E+01
SUMMER 1975		217	1.89600E+02	4.29526E+02
FALL 1975		89	1.60890E+02	3.33097E+01
TOTAL 1975		123	5.76670E+02	6.05837E+02

WEIR 106 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1055	. . .	89	8.89000E+00	8.30231E+00
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	76	6.05000E+00	4.82476E+00
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	36	7.67000E+00	2.89738E+00
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	29	1.40000E+01	4.26023E+00
76 019 1035	. . .	.	7.10000E+00	.
76 026 1013	. . .	119	7.67000E+00	9.57744E+00
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	38	1.17000E+01	4.66527E+00
76 047 0810	. . .	.	1.17000E+01	.
76 054 0935	. . .	47	1.09000E+01	5.37566E+00
76 061 0925	. . .	.	8.27000E+00	.
76 068 1000	. . .	56	7.67000E+00	4.50703E+00
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	59	8.27000E+00	5.11994E+00
76 089 1015	. . .	.	8.27000E+00	.
76 096 1000	. . .	89	1.17000E+01	1.09265E+01
76 103 0957	. . .	.	6.56000E+00	.
76 110 0955	. . .	104	6.05000E+00	6.60231E+00
76 117 0905	. . .	.	4.65000E+00	.
76 124 0937	. . .	83	6.05000E+00	5.26915E+00
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	116	3.11000E+00	3.78552E+00
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	116	3.11000E+00	3.78552E+00
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	377	1.08000E+01	4.27240E+01
76 173 0950	. . .	.	7.47000E+01	.
76 180 1000	. . .	1200	6.94000E+03	8.73872E+04
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	158	6.12000E+01	1.01465E+02
76 201 0925	. . .	.	2.98000E+01	.
76 208 0950	. . .	340	1.23000E+03	4.38825E+03
76 215 0950	. . .	.	3.92000E+02	.
76 222 0930	. . .	78	1.67000E+01	1.36684E+01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	141	1.59000E+01	2.35247E+01
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	86	1.23000E+03	1.10997E+03
76 264 0915	. . .	195	1.23000E+03	2.51679E+03
76 278 0945	. . .	70	1.26000E+00	9.25498E-01
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	104	1.69000E+00	1.84428E+00
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	39	1.09000E+01	4.46065E+00

WEIR 106 1976 INORGANIC PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	51	3.11000E+00	1.66432E+00
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	77	1.09000E+01	8.80693E+00
	WINTER 1976	62	1.50130E+02	3.99030E+01
	SPRING 1976	89	8.81600E+01	3.99960E+01
	SUMMER 1976	344	1.04950E+04	9.19606E+04
	FALL 1976	89	2.92175E+03	3.64446E+03
	TOTAL 1976	147	1.32517E+04	9.56812E+04

WEIR 107 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	53	2.19000E+00	4.11596E+00
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	87	7.47000E+01	2.30457E+02
75 006 1000	. . .	.	7.47000E+01	.
75 013 1600	. . .	364	3.11000E+00	4.01433E+01
75 027 1020	. . .	47	3.46000E+00	5.76667E+00
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	41	2.19000E+00	3.18404E+00
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	230	1.09000E+01	8.89007E+01
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	29	6.05000E+00	6.22163E+00
75 104 .	. . .	.	2.78000E+00	.
75 111 1015	. . .	50	2.78000E+00	4.92908E+00
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	84	5.55000E+00	1.65319E+01
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	92	3.46000E+00	1.12879E+01
75 147 0950	. . .	.	2.78000E+00	.
75 153 0945	. . .	104	2.48000E+00	9.14610E+00
75 160 0940	. . .	.	1.23000E+03	.
75 167 0935	. . .	76	1.07000E+00	2.88369E+00
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	95	7.47000E+01	2.51649E+02
75 188 0910	. . .	.	2.22000E+01	.
75 195 0955	. . .	379	4.02000E+01	5.40277E+02
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	80	1.46000E+00	4.14184E+00
75 216 .	. . .	.	8.99000E+01	.
75 223 1000	. . .	131	8.99000E+01	4.17621E+02
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	129	6.12000E+01	2.79957E+02
75 244 0855	. . .	.	2.19000E+00	.
75 251 0935	. . .	91	1.07000E+00	3.45284E+00
75 258 0935	. . .	.	4.92000E+01	.
75 265 1015	. . .	294	5.19000E+01	5.41085E+02
75 272 0950	. . .	.	.	.
WINTER 1975		138	1.91100E+02	2.80483E+02
SPRING 1975		90	7.23800E+01	1.40201E+02

WEIR 107 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1975		142	1.71413E+03	1.50568E+03
FALL 1975		192	1.04360E+02	5.44538E+02
TOTAL 1975		129	2.07452E+03	2.46175E+03
75 280 0800	. . .	66	.	.
75 287 0800	. . .	.	.	.
75 293 0805	. . .	95	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	90	.	.
75 314 1155	. . .	.	.	.
75 321 0900	. . .	69	.	.
75 328 0950	. . .	.	.	.
WINTER 1975		138	1.91100E+02	2.80483E+02
SPRING 1975		90	7.23800E+01	1.40201E+02
SUMMER 1975		142	1.71413E+03	1.50568E+03
FALL 1975		117	1.04360E+02	5.44538E+02
TOTAL 1975		121	2.07452E+03	2.46175E+03

WEIR 107 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1010	. . .	81	.	.
75 342 0930	. . .	.	.	.
75 349 0945	. . .	67	.	.
75 356 0845	. . .	.	.	.
75 363 0935	. . .	47	.	.
76 005 0800	. . .	.	.	.
76 012 1030	. . .	53	.	.
76 019 0930	. . .	.	.	.
76 026 0915	. . .	74	.	.
76 033 1015	. . .	.	.	.
76 040 1015	. . .	34	.	.
76 047 1215	. . .	.	.	.
76 054 0850	. . .	43	.	.
76 061 0845	. . .	.	.	.
76 068 0915	. . .	50	.	.
76 075 0915	. . .	.	.	.
76 082 0915	. . .	66	.	.
76 089 0915	. . .	.	.	.
76 096 0900	. . .	139	.	.
76 103 0910	. . .	.	.	.
76 110 0905	. . .	64	.	.
76 117 0830	. . .	.	.	.
76 124 0845	. . .	83	.	.
76 131 0800	. . .	.	.	.
76 138 0810	. . .	251	.	.
76 145 0815	. . .	.	.	.
76 153 1630	. . .	125	.	.
76 159 0810	. . .	.	8.99000E+01	.
76 166 0750	. . .	85	4.92000E+01	1.48298E+02
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	219	3.88000E+01	3.01319E+02
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	163	4.92000E+01	2.84383E+02
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	337	1.08000E+01	1.29064E+02
76 222 0820	. . .	113	2.78000E+00	1.11397E+01
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	132	2.24000E+01	1.04851E+02
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	122	7.47000E+01	3.23170E+02
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	104	8.99000E+01	3.31546E+02
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	72	2.78000E+00	7.09787E+00
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	68	1.07000E+00	2.58014E+00

WEIR 107 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	114	4.92000E+01	1.98894E+02
WINTER 1976		57	.	.
SPRING 1976		111	.	.
SUMMER 1976		168	6.43170E+02	9.79055E+02
FALL 1976		96	5.45150E+02	8.63288E+02
TOTAL 1976		108	9.61320E+02	1.84234E+03

WEIR 108 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	76	1.02000E+01	5.15426E+00
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	23	4.23000E+00	6.46875E-01
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	120	4.68000E+01	3.73404E+01
75 027 1240	. . .	20	1.24000E+01	1.64894E+00
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	17	8.89000E+00	1.00485E+00
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	49	3.56000E+01	1.15984E+01
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	17	1.58000E+01	1.78590E+00
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	32	1.24000E+01	2.63830E+00
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	43	3.14000E+01	8.97739E+00
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	74	1.57000E+01	7.72473E+00
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	175	1.17000E+01	1.36137E+01
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	174	5.55000E+00	6.42088E+00
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	225	1.69000E+00	2.52826E+00
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	274	1.08000E+02	1.96755E+02
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	276	7.10000E+00	1.30293E+01
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	288	2.78000E+00	5.32340E+00
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	113	1.69000E+00	1.26975E+00
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	190	7.10000E+00	8.96941E+00
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	218	3.11000E+00	4.50785E+00
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	123	1.40000E+01	1.14495E+01
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	164	2.51000E+01	2.73697E+01
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	151	1.49000E+01	1.49594E+01

WEIR 108 1975 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	103	1.67000E+01	1.14368E+01
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		60	4.77290E+02	4.47905E+01
SPRING 1975		58	2.50990E+02	4.73433E+01
SUMMER 1975		218	3.08370E+02	2.38941E+02
FALL 1975		158	1.99980E+02	7.86927E+01
TOTAL 1975		128	1.19413E+03	3.96153E+02

WEIR 108 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1520	. . .	139	1.86000E+01	1.71902E+01
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	176	1.24000E+01	1.45106E+01
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	86	1.40000E+01	8.00532E+00
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	86	3.28000E+01	1.87553E+01
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	377	4.34000E+01	1.08789E+02
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	66	2.63000E+01	1.15412E+01
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	98	2.06000E+01	1.34229E+01
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	162	1.49000E+01	1.60492E+01
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	116	1.58000E+01	1.21862E+01
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	193	1.86000E+01	2.38684E+01
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	214	1.17000E+01	1.66476E+01
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	120	1.02000E+01	8.13830E+00
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	149	8.89000E+00	8.80725E+00
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	220	6.05000E+00	8.84973E+00
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	88	1.59000E+01	9.30319E+00
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	77	1.93000E+00	9.88098E-01
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	151	2.51000E+01	2.52001E+01
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	52	3.83000E+00	1.32420E+00
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	40	3.46000E+00	9.20213E-01
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	28	1.58000E+01	2.94149E+00
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	19	7.10000E+00	8.96941E-01
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	58	2.06000E+01	7.94415E+00
WINTER 1976		147	3.78300E+02	1.92214E+02

WEIR 108 1976 INORGANIC PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		168	1.70440E+02	9.45466E+01
SUMMER 1976		134	4.91690E+02	4.43412E+01
FALL 1976		39	4.98270E+02	1.40270E+01
TOTAL 1976		123	1.12395E+03	3.36279E+02

WEIR 101 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	71	2.51000E+01	7.88889E+00
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	33	7.10000E+00	1.03718E+00
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	28	4.51000E+01	5.59008E+00
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	22	2.28000E+01	2.22045E+00
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	11	1.32000E+01	6.42762E-01
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	23	6.17000E+01	6.28198E+00
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	15	2.39000E+01	1.58699E+00
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	17	1.86000E+01	1.39973E+00
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	24	5.03000E+01	5.34396E+00
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	50	2.28000E+01	5.04648E+00
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	35	1.76000E+01	2.72687E+00
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	50	5.55000E+00	1.22842E+00
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	62	2.78000E+00	7.62992E-01
75 188 1045	. . .	.	1.93000E+00	.
75 195 1220	. . .	8	3.05000E+02	1.08012E+01
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	86	7.10000E+00	2.70297E+00
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	36	5.09000E+00	8.11155E-01
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	163	5.09000E+00	3.67273E+00
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	100	1.24000E+01	5.48915E+00
75 258 1145	. . .	.	4.23000E+00	.
75 265 1150	. . .	122	7.10000E+00	3.83444E+00
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	24	1.86000E+01	1.97610E+00
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	67	3.56000E+01	1.05587E+01

WEIR 101 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	92	1.86000E+01	7.57503E+00
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	63	2.39000E+01	6.66534E+00
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		38	4.42320E+02	1.67366E+01
SPRING 1975		25	4.32100E+02	2.30288E+01
SUMMER 1975		63	4.93770E+02	2.27064E+01
FALL 1975		78	2.96730E+02	3.60987E+01
TOTAL 1975		52	1.59062E+03	9.58436E+01

WEIR 101 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1145	. . .	250	2.28000E+01	2.52324E+01
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	27	1.67000E+01	1.99602E+00
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	43	2.17000E+01	4.13059E+00
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	28	4.02000E+01	4.98274E+00
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	64	3.14000E+01	8.89597E+00
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	29	3.28000E+01	4.21071E+00
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	17	3.28000E+01	2.46835E+00
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	33	1.96000E+01	2.86321E+00
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	25	2.28000E+01	2.52324E+00
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	15	3.28000E+01	2.17795E+00
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	23	1.67000E+01	1.70031E+00
76 117 0950	. . .	.	1.24000E+01	.
76 124 1017	. . .	.	2.06000E+01	.
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	2	8.27000E+00	7.32182E-02
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	72	1.09000E+01	3.47410E+00
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	51	1.07000E+00	2.41567E-01
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	35	3.88000E+01	6.01151E+00
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	31	2.19000E+00	3.00531E-01
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	48	7.24000E+01	1.53838E+01
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	95	1.69000E+00	7.10713E-01
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	78	1.07000E+00	3.69456E-01
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	4	1.32000E+01	2.33732E-01
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	26	7.67000E+00	8.82780E-01

WEIR 101 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	7	1.32000E+01	4.09031E-01
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	68	2.88000E+01	8.66932E+00
WINTER 1976		65	4.43800E+02	5.19168E+01
SPRING 1976		28	2.50000E+02	1.28120E+01
SUMMER 1976		55	2.74760E+02	2.61222E+01
FALL 1976		37	3.91940E+02	1.05643E+01
TOTAL 1976		47	1.25320E+03	9.79413E+01

WEIR 102 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1055	. . .	.	2.51000E+01	.
74 343 1105	. . .	49	1.96000E+01	5.00730E+00
74 350 1215	. . .	.	2.23000E+02	.
74 364 1015	. . .	26	9.54000E+00	1.29322E+00
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	24	3.14000E+01	3.92909E+00
75 027 1135	. . .	16	2.06000E+01	1.71846E+00
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	3	1.02000E+01	1.59541E-01
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	11	6.59000E+01	3.77946E+00
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	19	1.67000E+01	1.65433E+00
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	10	1.32000E+01	6.88217E-01
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	11	4.51000E+01	2.58655E+00
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	27	2.06000E+01	2.89990E+00
75 147 1150	. . .	.	1.02000E+01	.
75 153 1400	. . .	38	1.02000E+01	2.02086E+00
75 160 1210	. . .	.	3.83000E+00	.
75 167 1130	. . .	21	3.11000E+00	3.40511E-01
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	74	1.69000E+00	6.52033E-01
75 195 1240	. . .	8	3.73000E+02	1.55579E+01
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	57	4.65000E+00	1.38191E+00
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	14	2.48000E+00	1.81022E-01
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	126	2.78000E+00	1.82628E+00
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	50	8.27000E+00	2.15589E+00
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	82	4.65000E+00	1.98801E+00
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	29	1.24000E+01	1.87487E+00
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	33	2.51000E+01	4.31856E+00
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	33	1.32000E+01	2.27112E+00
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 321 0940	. . .	88	1.96000E+01	8.99270E+00
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		29	4.24830E+02	1.19481E+01
SPRING 1975		17	3.61200E+02	1.37888E+01
SUMMER 1975		48	5.06210E+02	2.19605E+01
FALL 1975		52	2.11800E+02	2.16011E+01
TOTAL 1975		37	1.44724E+03	6.72777E+01

WEIR 102 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1200	. . .	56	1.86000E+01	5.43066E+00
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	38	1.32000E+01	2.61522E+00
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	23	1.76000E+01	2.11053E+00
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	44	3.86000E+01	8.85506E+00
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	0	2.88000E+01	0.00000E+00
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	34	2.51000E+01	4.44943E+00
76 047 0915	. . .	.	2.39000E+01	.
76 054 1055	. . .	35	2.63000E+01	4.79927E+00
76 061 1040	. . .	.	1.76000E+01	.
76 068 1100	. . .	25	1.49000E+01	1.94213E+00
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	25	1.96000E+01	2.55474E+00
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	30	2.75000E+01	4.30136E+00
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	15	1.32000E+01	1.03233E+00
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	.	1.49000E+01	.
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	36	7.67000E+00	1.43962E+00
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	41	7.67000E+00	1.63957E+00
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	29	4.92000E+01	7.43900E+00
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	.	7.47000E+01	.
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	4	1.67000E+01	3.48279E-01
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	24	3.88000E+01	4.85506E+00
76 278 1105	. . .	12	8.89000E+00	5.56204E-01
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	20	5.55000E+00	5.78728E-01
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	0	2.88000E+01	0.00000E+00
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	6	9.54000E+00	2.98436E-01
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	31	2.39000E+01	3.86288E+00
WINTER 1976		33	3.55800E+02	2.82602E+01

WEIR 102 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		29	2.04520E+02	1.29097E+01
SUMMER 1976		25	2.39820E+02	9.42685E+00
FALL 1976		15	2.36650E+02	1.01513E+01
TOTAL 1976		25	1.01152E+03	5.91085E+01

WEIR 103 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	71	8.89000E+00	2.48892E+00
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	44	4.65000E+00	8.06782E-01
75 006 1200	. . .	.	4.23000E+00	.
75 013 1200	. . .	47	4.51000E+01	8.35844E+00
75 027 1155	. . .	19	1.76000E+01	1.31861E+00
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	10	1.24000E+01	4.88959E-01
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	11	7.93000E+01	3.43967E+00
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	24	2.75000E+01	2.60252E+00
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	42	1.96000E+01	3.24606E+00
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	6	5.39000E+01	1.27524E+00
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	55	2.63000E+01	5.70386E+00
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	30	1.58000E+01	1.86909E+00
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	50	3.28000E+01	6.46688E+00
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	89	2.78000E+00	9.75631E-01
75 195 1600	. . .	8	2.02000E+02	6.37224E+00
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	95	6.56000E+00	2.45741E+00
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	50	2.48000E+00	4.88959E-01
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	.	2.48000E+00	.
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	98	4.65000E+00	1.79692E+00
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	26	1.67000E+01	1.71215E+00
75 287 1235	. . .	.	2.06000E+01	.
75 293 1215	. . .	54	2.75000E+01	5.85568E+00
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	42	1.96000E+01	3.24606E+00
75 314 1605	. . .	.	2.39000E+01	.

WEIR 103 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 322 1315	. . .	60	2.51000E+01	5.93849E+00
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		45	3.57570E+02	1.29728E+01
SPRING 1975		25	4.57200E+02	1.86254E+01
SUMMER 1975		54	3.67110E+02	1.86302E+01
FALL 1975		56	2.55990E+02	1.85493E+01
TOTAL 1975		44	1.38297E+03	6.69086E+01

WEIR 103 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1555	. . .	69	2.51000E+01	6.82926E+00
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	38	2.06000E+01	3.08675E+00
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	20	2.39000E+01	1.88486E+00
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	25	4.68000E+01	4.61356E+00
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	29	6.59000E+01	7.53588E+00
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	34	4.18000E+01	5.60410E+00
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	35	3.56000E+01	4.91325E+00
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	67	2.51000E+01	6.63131E+00
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	58	3.14000E+01	7.18139E+00
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	26	3.86000E+01	3.95741E+00
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	45	2.28000E+01	4.04574E+00
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	.	2.06000E+01	.
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	44	1.24000E+01	2.15142E+00
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	138	1.32000E+01	7.18297E+00
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	105	8.99000E+01	3.72220E+01
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	59	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	0	2.51000E+01	0.00000E+00
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	16	7.67000E+00	4.83912E-01
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	33	6.05000E+00	7.87263E-01
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	6	3.01000E+01	7.12145E-01
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	14	1.24000E+01	6.84543E-01
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	54	3.01000E+01	6.40931E+00
WINTER 1976		36	5.24900E+02	3.44677E+01
SPRING 1976		63	3.20530E+02	3.11502E+01

WEIR 103 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1976		75	1.47850E+02	4.44050E+01
FALL 1976		25	1.88000E+02	9.07717E+00
TOTAL 1976		44	1.13798E+03	1.11917E+02

WEIR 105 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	34	2.17000E+01	1.96747E+01
75 027 1320	. . .	13	3.83000E+00	1.32773E+00
75 034 1035	. . .	.	2.48000E+00	.
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	6	2.19000E+00	3.50400E-01
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	23	1.76000E+01	1.07947E+01
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	13	3.46000E+00	1.19947E+00
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	13	2.48000E+00	8.59733E-01
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	5	8.89000E+00	1.18533E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	39	3.83000E+00	3.98320E+00
75 147 1035	. . .	.	1.93000E+00	.
75 153 1030	. . .	24	2.19000E+00	1.40160E+00
75 160 1030	. . .	.	4.92000E+01	.
75 167 1010	. . .	24	3.88000E+01	2.48320E+01
75 174 1040	. . .	.	1.91000E+02	.
75 181 .	. . .	42	3.92000E+02	4.39040E+02
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	8	6.18000E+01	1.31840E+01
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	38	8.99000E+01	9.10987E+01
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	36	2.98000E+01	2.86080E+01
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	37	4.92000E+01	4.85440E+01
75 244 0940	. . .	.	5.55000E+00	.
75 251 1015	. . .	23	1.07000E+00	6.56267E-01
75 258 1045	. . .	.	6.12000E+01	.
75 265 1040	. . .	63	4.92000E+01	8.26560E+01
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	26	2.48000E+00	1.71947E+00
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	17	7.67000E+00	3.47707E+00
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	25	2.48000E+00	1.65333E+00
75 314 1240	. . .	.	3.11000E+00	.
75 321 1145	. . .	39	3.46000E+00	3.59840E+00
75 328 1035	. . .	.	2.48000E+00	.

WEIR 105 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		23	1.16420E+02	2.10024E+01
SPRING 1975		18	7.57500E+01	1.97744E+01
SUMMER 1975		30	1.18614E+03	6.46708E+02
FALL 1975		32	1.52020E+02	9.37605E+01
TOTAL 1975		26	1.52040E+03	7.79844E+02

WEIR 105 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1040	. . .	97	3.46000E+00	8.94987E+00
75 342 1000	. . .	.	1.93000E+00	.
75 349 1010	. . .	8	1.93000E+00	4.11733E-01
75 356 0915	. . .	.	1.26000E+00	.
75 363 1010	. . .	3	3.11000E+00	2.48800E-01
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	19	7.10000E+00	3.59733E+00
76 019 1030	. . .	.	2.19000E+00	.
76 026 1255	. . .	7	8.89000E+00	1.65947E+00
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	17	5.09000E+00	2.30747E+00
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	9	4.65000E+00	1.11600E+00
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	33	2.78000E+00	2.44640E+00
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	25	3.46000E+00	2.30667E+00
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	7	5.09000E+00	9.50133E-01
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	15	2.48000E+00	9.92000E-01
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	.	2.19000E+00	.
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	16	8.99000E+01	3.83573E+01
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	24	8.99000E+01	5.75360E+01
76 159 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	33	1.91000E+02	1.68080E+02
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	39	1.91000E+02	1.98640E+02
76 188 0830	. . .	.	6.94000E+03	.
76 194 0855	. . .	27	1.08000E+01	7.77600E+00
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	21	6.94000E+03	3.88640E+03
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	24	7.67000E+00	4.90880E+00
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	14	1.91000E+02	7.13067E+01
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	36	6.94000E+03	6.66240E+03
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	31	1.91000E+02	1.57893E+02
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 278 0924	. . .	12	8.99000E+01	2.87680E+01
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	16	8.99000E+01	3.83573E+01
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	0	6.56000E+00	0.00000E+00
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	14	1.69000E+00	6.30933E-01
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	78	4.65000E+00	9.67200E+00
WINTER 1976		23	7.11900E+01	1.82907E+01
SPRING 1976		20	3.25770E+02	1.02589E+02
SUMMER 1976		26	1.51813E+04	4.39465E+03
FALL 1976		27	2.14178E+04	6.89772E+03
TOTAL 1976		24	3.67118E+04	1.13557E+04

WEIR 106 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	118	4.18000E+01	5.17566E+01
75 027 1340	. . .	9	8.89000E+00	8.39559E-01
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	10	4.23000E+00	4.43861E-01
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	22	3.14000E+01	7.24869E+00
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	9	8.27000E+00	7.81007E-01
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	20	1.09000E+01	2.28751E+00
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	22	2.19000E+00	5.05561E-01
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	55	8.89000E+00	5.13064E+00
75 147 1055	. . .	.	5.09000E+00	.
75 153 1045	. . .	124	5.55000E+00	7.22141E+00
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	26	4.65000E+00	1.26863E+00
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	41	3.11000E+00	1.33799E+00
75 188 1015	. . .	.	1.46000E+00	.
75 195 1050	. . .	52	1.26000E+02	6.87513E+01
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	0	2.19000E+00	0.00000E+00
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	14	1.07000E+00	1.57188E-01
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	30	1.07000E+00	3.36831E-01
75 244 0930	. . .	.	1.24000E+01	.
75 251 1040	. . .	50	2.78000E+00	1.45855E+00
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	43	1.69000E+00	7.62539E-01
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	18	6.56000E+00	1.23903E+00
75 287 0855	. . .	.	8.27000E+00	.
75 293 0900	. . .	25	1.40000E+01	3.67261E+00
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	8	7.10000E+00	5.96013E-01
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	49	8.89000E+00	4.57093E+00
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		63	9.34500E+01	5.25961E+01
SPRING 1975		37	1.55770E+02	2.36187E+01
SUMMER 1975		41	1.89600E+02	7.90733E+01
FALL 1975		32	1.60890E+02	1.22997E+01
TOTAL 1975		35	5.76670E+02	1.60366E+02

WEIR 106 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1055	. . .	34	8.89000E+00	3.17167E+00
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	23	6.05000E+00	1.46013E+00
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	67	7.67000E+00	5.39234E+00
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	50	1.40000E+01	7.34523E+00
76 019 1035	. . .	.	7.10000E+00	.
76 026 1013	. . .	43	7.67000E+00	3.46076E+00
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	17	1.17000E+01	2.08709E+00
76 047 0810	. . .	.	1.17000E+01	.
76 054 0935	. . .	78	1.09000E+01	8.92130E+00
76 061 0925	. . .	.	8.27000E+00	.
76 068 1000	. . .	33	7.67000E+00	2.65593E+00
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	25	8.27000E+00	2.16946E+00
76 089 1015	. . .	.	8.27000E+00	.
76 096 1000	. . .	19	1.17000E+01	2.33263E+00
76 103 0957	. . .	.	6.56000E+00	.
76 110 0955	. . .	26	6.05000E+00	1.65058E+00
76 117 0905	. . .	.	4.65000E+00	.
76 124 0937	. . .	.	6.05000E+00	.
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	8	3.11000E+00	2.61070E-01
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	145	3.11000E+00	4.73190E+00
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	58	1.08000E+01	6.57293E+00
76 173 0950	. . .	.	7.47000E+01	.
76 180 1000	. . .	29	6.94000E+03	2.11186E+03
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	39	6.12000E+01	2.50451E+01
76 201 0925	. . .	.	2.98000E+01	.
76 208 0950	. . .	40	1.23000E+03	5.16264E+02
76 215 0950	. . .	.	3.92000E+02	.
76 222 0930	. . .	4	1.67000E+01	7.00944E-01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	9	1.59000E+01	1.50157E+00
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	9	1.23000E+03	1.16159E+02
76 264 0915	. . .	74	1.23000E+03	9.55089E+02
76 278 0945	. . .	8	1.26000E+00	1.05771E-01
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	26	1.69000E+00	4.61070E-01
76 300 0950	. . .	.	3.28000E+01	.
76 306 1020	. . .	0	1.09000E+01	0.00000E+00

WEIR 106 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	19	3.11000E+00	6.20042E-01
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	61	1.09000E+01	6.97692E+00
WINTER 1976		45	1.50130E+02	3.18385E+01
SPRING 1976		43	8.81600E+01	1.38016E+01
SUMMER 1976		46	1.04950E+04	2.66667E+03
FALL 1976		28	2.92175E+03	1.07941E+03
TOTAL 1976		36	1.32517E+04	3.78699E+03

WEIR 107 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	52	2.19000E+00	4.03830E+00
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	54	7.47000E+01	1.43043E+02
75 006 1000	. . .	.	7.47000E+01	.
75 013 1600	. . .	133	3.11000E+00	1.46677E+01
75 027 1020	. . .	55	3.46000E+00	6.74823E+00
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	6	2.19000E+00	4.65957E-01
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	16	1.09000E+01	6.18440E+00
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	18	6.05000E+00	3.86170E+00
75 104 .	. . .	.	2.78000E+00	.
75 111 1015	. . .	16	2.78000E+00	1.57730E+00
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	13	5.55000E+00	2.55851E+00
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	43	3.46000E+00	5.27589E+00
75 147 0950	. . .	.	2.78000E+00	.
75 153 0945	. . .	12	2.48000E+00	1.05532E+00
75 160 0940	. . .	.	1.23000E+03	.
75 167 0935	. . .	12	1.07000E+00	4.55319E-01
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	82	7.47000E+01	2.17213E+02
75 188 0910	. . .	.	2.22000E+01	.
75 195 0955	. . .	165	4.02000E+01	2.35213E+02
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	19	1.46000E+00	9.83688E-01
75 216 .	. . .	.	8.99000E+01	.
75 223 1000	. . .	57	8.99000E+01	1.81713E+02
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	74	6.12000E+01	1.60596E+02
75 244 0855	. . .	.	2.19000E+00	.
75 251 0935	. . .	65	1.07000E+00	2.46631E+00
75 258 0935	. . .	.	4.92000E+01	.
75 265 1015	. . .	75	5.19000E+01	1.38032E+02
75 272 0950	. . .	.	.	.
WINTER 1975		73	1.91100E+02	1.68497E+02
SPRING 1975		18	7.23800E+01	2.09791E+01

WEIR 107 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1975		60	1.71413E+03	7.97228E+02
FALL 1975		70	1.04360E+02	1.40498E+02
TOTAL 1975		51	2.07452E+03	1.12615E+03
75 280 0800	. . .	44	.	.
75 287 0800	. . .	.	.	.
75 293 0805	. . .	37	.	.
75 301 0920	. . .	.	.	.
75 307 0800	. . .	25	.	.
75 314 1155	. . .	.	.	.
75 321 0900	. . .	112	.	.
75 328 0950	. . .	.	.	.
WINTER 1975		73	1.91100E+02	1.68497E+02
SPRING 1975		18	7.23800E+01	2.09791E+01
SUMMER 1975		60	1.71413E+03	7.97228E+02
FALL 1975		60	1.04360E+02	1.40498E+02
TOTAL 1975		52	2.07452E+03	1.12615E+03

WEIR 107 1976 DISSOLVED PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1010	. . .	34	.	.
75 342 0930	. . .	.	.	.
75 349 0945	. . .	27	.	.
75 356 0845	. . .	.	.	.
75 363 0935	. . .	47	.	.
76 005 0800	. . .	.	.	.
76 012 1030	. . .	47	.	.
76 019 0930	. . .	.	.	.
76 026 0915	. . .	64	.	.
76 033 1015	. . .	.	.	.
76 040 1015	. . .	31	.	.
76 047 1215	. . .	.	.	.
76 054 0850	. . .	.	.	.
76 061 0845	. . .	.	.	.
76 068 0915	. . .	25	.	.
76 075 0915	. . .	.	.	.
76 082 0915	. . .	42	.	.
76 089 0915	. . .	.	.	.
76 096 0900	. . .	7	.	.
76 103 0910	. . .	.	.	.
76 110 0905	. . .	8	.	.
76 117 0830	. . .	.	.	.
76 124 0845	. . .	.	.	.
76 131 0800	. . .	.	.	.
76 138 0810	. . .	8	.	.
76 145 0815	. . .	.	.	.
76 153 1630	. . .	117	.	.
76 159 0810	. . .	.	8.99000E+01	.
76 166 0750	. . .	211	4.92000E+01	3.68128E+02
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	68	3.88000E+01	9.35603E+01
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	71	4.92000E+01	1.23872E+02
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	86	1.08000E+01	3.29362E+01
76 222 0820	. . .	24	2.78000E+00	2.36596E+00
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	95	2.24000E+01	7.54610E+01
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	36	7.47000E+01	9.53617E+01
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	46	8.99000E+01	1.46645E+02
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	0	2.78000E+00	0.00000E+00
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	23	1.07000E+00	8.72695E-01

WEIR 107 1976 DISSOLVED PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	50	4.92000E+01	8.72340E+01
WINTER 1976		42	.	.
SPRING 1976		34	.	.
SUMMER 1976		96	6.43170E+02	6.96323E+02
FALL 1976		31	5.45150E+02	3.30114E+02
TOTAL 1976		51	9.61320E+02	1.02644E+03

WEIR 108 1975 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	56	1.02000E+01	3.79787E+00
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	18	4.23000E+00	5.06250E-01
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	56	4.68000E+01	1.74255E+01
75 027 1240	. . .	15	1.24000E+01	1.23670E+00
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	.	1.32000E+01	.
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	10	8.89000E+00	5.91090E-01
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	10	3.56000E+01	2.36702E+00
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	6	1.58000E+01	6.30319E-01
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	39	1.24000E+01	3.21543E+00
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	0	3.14000E+01	0.00000E+00
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	36	1.57000E+01	3.75798E+00
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	30	1.17000E+01	2.33378E+00
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	67	5.55000E+00	2.47241E+00
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	67	1.69000E+00	7.52859E-01
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	57	1.08000E+02	4.09309E+01
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	76	7.10000E+00	3.58777E+00
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	157	2.78000E+00	2.90199E+00
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	52	1.69000E+00	5.84309E-01
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	65	7.10000E+00	3.06848E+00
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	106	3.11000E+00	2.19189E+00
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	82	1.40000E+01	7.63298E+00
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	42	2.51000E+01	7.00931E+00
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	33	1.49000E+01	3.26928E+00

WEIR 108 1975 DISSOLVED PHOSPHOROUS SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	67	1.67000E+01	7.43949E+00
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		36	4.77290E+02	2.29664E+01
SPRING 1975		19	2.50990E+02	1.28956E+01
SUMMER 1975		72	3.08370E+02	5.35640E+01
FALL 1975		66	1.99980E+02	3.06114E+01
TOTAL 1975		50	1.19413E+03	1.17704E+02

WEIR 108 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1520	. . .	56	1.86000E+01	6.92553E+00
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	38	1.24000E+01	3.13298E+00
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	60	1.40000E+01	5.58511E+00
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	44	3.28000E+01	9.59574E+00
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	14	4.34000E+01	4.03989E+00
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	34	2.63000E+01	5.94548E+00
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	135	2.06000E+01	1.84907E+01
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	63	1.49000E+01	6.24136E+00
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	87	1.58000E+01	9.13963E+00
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	7	1.86000E+01	8.65691E-01
76 103 1318	. . .	.	1.40000E+01	.
76 110 1340	. . .	68	1.17000E+01	5.28989E+00
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	.	1.02000E+01	.
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	32	8.89000E+00	1.89149E+00
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	72	6.05000E+00	2.89628E+00
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	69	1.59000E+01	7.29455E+00
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	8	1.93000E+00	1.02660E-01
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	64	2.51000E+01	1.06809E+01
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	16	3.83000E+00	4.07447E-01
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	20	3.46000E+00	4.60106E-01
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	6	1.58000E+01	6.30319E-01
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	23	7.10000E+00	1.08577E+00
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	93	2.06000E+01	1.27380E+01
WINTER 1976		54	3.78300E+02	5.37154E+01

WEIR 108 1976 DISSOLVED PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		55	1.70440E+02	2.63243E+01
SUMMER 1976		53	4.91690E+02	2.09743E+01
FALL 1976		32	4.98270E+02	1.53217E+01
TOTAL 1976		48	1.12395E+03	1.13439E+02

WEIR 101 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1030	. . .	.	2.39000E+01	.
74 343 1045	. . .	137	2.51000E+01	1.52222E+01
74 350 1130	. . .	.	1.42000E+02	.
74 357 1000	. . .	.	8.27000E+00	.
74 364 0925	. . .	130	7.10000E+00	4.08588E+00
75 006 1115	. . .	.	6.05000E+00	.
75 013 1100	. . .	284	4.51000E+01	5.66994E+01
75 020 1000	. . .	.	5.97000E+01	.
75 027 1105	. . .	57	2.28000E+01	5.75299E+00
75 034 1145	. . .	.	1.76000E+01	.
75 041 1240	. . .	.	2.06000E+01	.
75 049 1340	. . .	.	2.17000E+01	.
75 055 1205	. . .	.	2.75000E+01	.
75 062 1225	. . .	.	1.49000E+01	.
75 069 1210	. . .	100	1.32000E+01	5.84329E+00
75 076 1320	. . .	.	7.70000E+01	.
75 083 1340	. . .	278	6.17000E+01	7.59301E+01
75 090 1245	. . .	.	4.85000E+01	.
75 097 1215	. . .	56	2.39000E+01	5.92475E+00
75 104 1210	. . .	.	1.96000E+01	.
75 111 1205	. . .	61	1.86000E+01	5.02258E+00
75 118 1205	. . .	.	2.63000E+01	.
75 125 1305	. . .	104	5.03000E+01	2.31571E+01
75 132 1135	. . .	.	2.28000E+01	.
75 139 1150	. . .	156	2.28000E+01	1.57450E+01
75 147 1130	. . .	.	1.49000E+01	.
75 153 1355	. . .	226	1.76000E+01	1.76078E+01
75 160 1150	. . .	.	6.56000E+00	.
75 167 .	. . .	202	5.55000E+00	4.96282E+00
75 174 1125	. . .	.	3.46000E+00	.
75 181 .	. . .	245	2.78000E+00	3.01505E+00
75 188 1045	. . .	378	1.93000E+00	3.22948E+00
75 195 1220	. . .	486	3.05000E+02	6.56175E+02
75 202 1140	. . .	.	6.59000E+01	.
75 209 1205	. . .	171	7.10000E+00	5.37450E+00
75 216 1100	. . .	.	3.11000E+00	.
75 223 1130	. . .	171	5.09000E+00	3.85299E+00
75 230 1200	. . .	.	2.28000E+01	.
75 237 1105	. . .	185	5.09000E+00	4.16844E+00
75 244 1020	. . .	.	4.18000E+01	.
75 251 1130	. . .	123	1.24000E+01	6.75166E+00
75 258 1145	. . .	160	4.23000E+00	2.99602E+00
75 265 1150	. . .	169	7.10000E+00	5.31164E+00
75 272 1200	. . .	.	4.02000E+01	.
75 280 0925	. . .	85	1.86000E+01	6.99867E+00
75 287 0920	. . .	.	2.63000E+01	.
75 293 0950	. . .	208	3.56000E+01	3.27791E+01

WEIR 101 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 301 1040	. . .	.	2.88000E+01	.
75 307 1040	. . .	125	1.86000E+01	1.02922E+01
75 314 1330	. . .	.	1.96000E+01	.
75 321 0920	. . .	119	2.39000E+01	1.25901E+01
75 328 1150	. . .	.	1.96000E+01	.
WINTER 1975		152	4.42320E+02	8.17605E+01
SPRING 1975		140	4.32100E+02	1.49231E+02
SUMMER 1975		258	4.93770E+02	6.98386E+02
FALL 1975		141	2.96730E+02	7.77193E+01
TOTAL 1975		177	1.59062E+03	9.89489E+02

WEIR 101 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1145	. . .	100	2.28000E+01	1.00930E+01
75 342 1050	. . .	.	1.67000E+01	.
75 349 1145	. . .	77	1.67000E+01	5.69234E+00
75 356 1000	. . .	.	1.32000E+01	.
75 363 1110	. . .	83	2.17000E+01	7.97300E+00
76 005 1130	. . .	.	4.51000E+01	.
76 012 1100	. . .	63	4.02000E+01	1.12112E+01
76 019 1205	. . .	.	2.17000E+01	.
76 026 1050	. . .	100	3.14000E+01	1.39000E+01
76 033 1205	. . .	.	9.69000E+01	.
76 040 1038	. . .	74	3.28000E+01	1.07446E+01
76 047 0900	. . .	.	3.01000E+01	.
76 054 1020	. . .	209	3.28000E+01	3.03462E+01
76 061 1000	. . .	.	2.17000E+01	.
76 068 1040	. . .	92	1.96000E+01	7.98229E+00
76 075 1058	. . .	.	3.01000E+01	.
76 082 1050	. . .	125	2.28000E+01	1.26162E+01
76 089 1050	. . .	.	2.28000E+01	.
76 096 1045	. . .	111	3.28000E+01	1.61169E+01
76 103 1033	. . .	.	1.96000E+01	.
76 110 1040	. . .	102	1.67000E+01	7.54050E+00
76 117 0950	. . .	135	1.24000E+01	7.41036E+00
76 124 1017	. . .	.	2.06000E+01	.
76 131 0945	. . .	.	8.27000E+00	.
76 138 0945	. . .	148	8.27000E+00	5.41815E+00
76 145 0945	. . .	.	3.46000E+00	.
76 153 0955	. . .	110	1.09000E+01	5.30766E+00
76 159 1015	. . .	.	3.11000E+00	.
76 166 0947	. . .	385	1.07000E+00	1.82359E+00
76 173 1020	. . .	.	3.11000E+00	.
76 180 1045	. . .	403	3.88000E+01	6.92182E+01
76 188 0950	. . .	.	1.59000E+01	.
76 188 0950	. . .	.	.	.
76 188 0950	. . .	.	0.00000E+00	.
76 188 0950	. . .	.	.	.
76 194 0950	. . .	298	2.19000E+00	2.88898E+00
76 201 0950	. . .	.	2.19000E+00	.
76 215 1100	. . .	.	1.59000E+01	.
76 222 1012	. . .	560	7.24000E+01	1.79478E+02
76 229 1040	. . .	.	3.28000E+01	.
76 236 1010	. . .	268	1.69000E+00	2.00496E+00
76 243 1015	. . .	.	7.47000E+01	.
76 264 1000	. . .	243	1.07000E+00	1.15100E+00
76 271 1020	. . .	.	8.99000E+01	.
76 278 1040	. . .	148	1.32000E+01	8.64807E+00
76 286 1110	. . .	.	1.24000E+01	.
76 292 1040	. . .	98	7.67000E+00	3.32740E+00

WEIR 101 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 300 1105	. . .	.	1.08000E+02	.
76 313 1125	. . .	.	3.28000E+01	.
76 320 1105	. . .	59	1.32000E+01	3.44754E+00
76 327 1130	. . .	.	1.02000E+01	.
76 334 1300	. . .	129	2.88000E+01	1.64462E+01
WINTER 1976		101	4.43800E+02	8.99602E+01
SPRING 1976		118	2.50000E+02	6.23920E+01
SUMMER 1976		337	2.74760E+02	2.60721E+02
FALL 1976		135	3.91940E+02	3.30202E+01
TOTAL 1976		172	1.25320E+03	4.40786E+02

WEIR 102 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1055	. . .	249	2.51000E+01	3.25855E+01
74 343 1105	. . .	115	1.96000E+01	1.17518E+01
74 350 1215	. . .	727	2.23000E+02	8.45261E+02
74 364 1015	. . .	84	9.54000E+00	4.17810E+00
75 006 1140	. . .	.	5.09000E+00	.
75 013 1125	. . .	88	3.14000E+01	1.44067E+01
75 027 1135	. . .	26	2.06000E+01	2.79249E+00
75 034 1205	. . .	.	1.40000E+01	.
75 041 1300	. . .	.	2.06000E+01	.
75 049 1350	. . .	.	1.96000E+01	.
75 055 1220	. . .	.	2.39000E+01	.
75 062 1240	. . .	.	1.24000E+01	.
75 069 1415	. . .	32	1.02000E+01	1.70177E+00
75 076 1330	. . .	.	7.47000E+01	.
75 083 1400	. . .	112	6.59000E+01	3.84818E+01
75 090 1300	. . .	.	2.75000E+01	.
75 097 1240	. . .	41	1.67000E+01	3.56986E+00
75 104 1225	. . .	.	1.32000E+01	.
75 111 1225	. . .	63	1.32000E+01	4.33577E+00
75 118 1225	. . .	.	2.17000E+01	.
75 125 1320	. . .	45	4.51000E+01	1.05813E+01
75 132 1150	. . .	.	1.96000E+01	.
75 139 1205	. . .	98	2.06000E+01	1.05255E+01
75 147 1150	. . .	63	1.02000E+01	3.35036E+00
75 153 1400	. . .	178	1.02000E+01	9.46611E+00
75 160 1210	. . .	187	3.83000E+00	3.73415E+00
75 167 1130	. . .	239	3.11000E+00	3.87534E+00
75 174 1135	. . .	.	1.69000E+00	.
75 181 .	. . .	288	1.69000E+00	2.53764E+00
75 195 1240	. . .	504	3.73000E+02	9.80146E+02
75 202 1200	. . .	.	5.21000E+01	.
75 209 1245	. . .	162	4.65000E+00	3.92753E+00
75 216 1115	. . .	.	2.48000E+00	.
75 223 1140	. . .	207	2.48000E+00	2.67654E+00
75 230 1220	. . .	.	1.40000E+01	.
75 237 1120	. . .	222	2.78000E+00	3.21773E+00
75 244 1040	. . .	.	3.42000E+01	.
75 251 1145	. . .	150	8.27000E+00	6.46767E+00
75 258 1200	. . .	.	2.48000E+00	.
75 265 1205	. . .	169	4.65000E+00	4.09724E+00
75 272 1220	. . .	.	3.14000E+01	.
75 280 0940	. . .	118	1.24000E+01	7.62878E+00
75 287 0940	. . .	.	1.67000E+01	.
75 293 1010	. . .	175	2.51000E+01	2.29015E+01
75 301 1055	. . .	.	1.49000E+01	.
75 307 1050	. . .	175	1.32000E+01	1.20438E+01
75 314 1345	. . .	.	1.40000E+01	.

WEIR 102 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 321 0940	. . .	144	1.96000E+01	1.47153E+01
75 328 1205	. . .	.	1.49000E+01	.
WINTER 1975		215	4.24830E+02	9.10975E+02
SPRING 1975		79	3.61200E+02	8.20125E+01
SUMMER 1975		248	5.06210E+02	1.00958E+03
FALL 1975		155	2.11800E+02	6.78543E+01
TOTAL 1975		173	1.44724E+03	2.06096E+03

WEIR 1021976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1200	. . .	213	1.86000E+01	2.06559E+01
75 342 1100	. . .	.	1.32000E+01	.
75 349 1205	. . .	131	1.32000E+01	9.01564E+00
75 356 1010	. . .	.	1.02000E+01	.
75 363 1120	. . .	153	1.76000E+01	1.40396E+01
76 005 1145	. . .	.	3.71000E+01	.
76 012 1130	. . .	150	3.86000E+01	3.01877E+01
76 019 1235	. . .	.	1.32000E+01	.
76 026 1117	. . .	229	2.88000E+01	3.43858E+01
76 033 1235	. . .	.	7.24000E+01	.
76 040 1057	. . .	74	2.51000E+01	9.68405E+00
76 047 0915	. . .	191	2.39000E+01	2.38003E+01
76 054 1055	. . .	113	2.63000E+01	1.54948E+01
76 061 1040	. . .	93	1.76000E+01	8.53389E+00
76 068 1100	. . .	217	1.49000E+01	1.68577E+01
76 075 1115	. . .	.	2.63000E+01	.
76 082 1110	. . .	142	1.96000E+01	1.45109E+01
76 089 1110	. . .	.	1.96000E+01	.
76 096 1105	. . .	141	2.75000E+01	2.02164E+01
76 103 1052	. . .	.	1.67000E+01	.
76 110 1110	. . .	136	1.32000E+01	9.35975E+00
76 117 1010	. . .	.	9.54000E+00	.
76 124 1040	. . .	194	1.49000E+01	1.50709E+01
76 131 1008	. . .	.	6.56000E+00	.
76 138 1010	. . .	276	7.67000E+00	1.10371E+01
76 145 1005	. . .	.	2.78000E+00	.
76 153 1020	. . .	179	7.67000E+00	7.15813E+00
76 159 1035	. . .	.	2.19000E+00	.
76 166 1010	. . .	531	4.92000E+01	1.36211E+02
76 173 1035	. . .	.	1.46000E+00	.
76 194 1022	. . .	78	7.47000E+01	3.03785E+01
76 201 1010	. . .	.	7.47000E+01	.
76 222 1030	. . .	192	1.67000E+01	1.67174E+01
76 229 1100	. . .	.	1.32000E+01	.
76 264 1025	. . .	86	3.88000E+01	1.73973E+01
76 278 1105	. . .	132	8.89000E+00	6.11825E+00
76 286 1140	. . .	.	1.02000E+01	.
76 292 1100	. . .	66	5.55000E+00	1.90980E+00
76 300 1145	. . .	.	9.16000E+01	.
76 306 1150	. . .	49	2.88000E+01	7.35766E+00
76 313 1153	. . .	.	1.17000E+01	.
76 320 1125	. . .	52	9.54000E+00	2.58644E+00
76 327 1145	. . .	.	7.67000E+00	.
76 334 1320	. . .	103	2.39000E+01	1.28347E+01
WINTER 1976		150	3.55800E+02	1.65798E+02

WEIR 102 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		172	2.04520E+02	1.02745E+02
SUMMER 1976		245	2.39820E+02	1.90465E+02
FALL 1976		81	2.36650E+02	4.82042E+01
TOTAL 1976		157	1.01152E+03	4.91519E+02

WEIR 103 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1120	. . .	.	1.32000E+01	.
74 343 1130	. . .	113	8.89000E+00	3.96124E+00
74 350 1245	. . .	.	1.67000E+02	.
74 364 1040	. . .	73	4.65000E+00	1.33853E+00
75 006 1200	. . .	27	4.23000E+00	4.50355E-01
75 013 1200	. . .	302	4.51000E+01	5.37074E+01
75 027 1155	. . .	57	1.76000E+01	3.95584E+00
75 034 1400	. . .	.	1.32000E+01	.
75 041 1455	. . .	.	2.17000E+01	.
75 049 1600	. . .	.	2.17000E+01	.
75 055 1425	. . .	.	2.63000E+01	.
75 062 1420	. . .	.	1.40000E+01	.
75 069 1355	. . .	40	1.24000E+01	1.95584E+00
75 076 1600	. . .	.	7.47000E+01	.
75 083 1545	. . .	105	7.93000E+01	3.28332E+01
75 090 1350	. . .	.	3.71000E+01	.
75 097 1540	. . .	45	2.75000E+01	4.87973E+00
75 104 1540	. . .	.	2.06000E+01	.
75 111 1555	. . .	58	1.96000E+01	4.48265E+00
75 118 1540	. . .	.	3.14000E+01	.
75 125 1615	. . .	34	5.39000E+01	7.22634E+00
75 132 1610	. . .	.	2.88000E+01	.
75 139 1515	. . .	112	2.63000E+01	1.16151E+01
75 147 1435	. . .	.	1.58000E+01	.
75 153 1705	. . .	126	1.58000E+01	7.85016E+00
75 160 1540	. . .	.	6.05000E+00	.
75 167 1505	. . .	870	3.28000E+01	1.12524E+02
75 174 1245	. . .	.	2.78000E+00	.
75 181 .	. . .	237	2.78000E+00	2.59803E+00
75 195 1600	. . .	218	2.02000E+02	1.73644E+02
75 202 1515	. . .	.	3.86000E+01	.
75 209 1400	. . .	257	6.56000E+00	6.64795E+00
75 216 .	. . .	.	1.69000E+00	.
75 223 1450	. . .	193	2.48000E+00	1.88738E+00
75 230 1530	. . .	.	2.28000E+01	.
75 239 1040	. . .	.	7.67000E+00	.
75 244 1220	. . .	.	2.51000E+01	.
75 251 1415	. . .	146	2.48000E+00	1.42776E+00
75 258 1500	. . .	.	1.26000E+00	.
75 265 1500	. . .	137	4.65000E+00	2.51203E+00
75 272 1445	. . .	.	4.68000E+01	.
75 280 1220	. . .	112	1.67000E+01	7.37539E+00
75 287 1235	. . .	103	2.06000E+01	8.36672E+00
75 293 1215	. . .	158	2.75000E+01	1.71333E+01
75 301 1240	. . .	.	2.06000E+01	.
75 307 1335	. . .	133	1.96000E+01	1.02792E+01
75 314 1605	. . .	166	2.39000E+01	1.56443E+01

WEIR 103 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 322 1315	. . .	158	2.51000E+01	1.56380E+01
75 328 1600	. . .	.	2.17000E+01	.
WINTER 1975		114	3.57570E+02	6.34134E+01
SPRING 1975		74	4.57200E+02	7.08431E+01
SUMMER 1975		317	3.67110E+02	3.05151E+02
FALL 1975		139	2.55990E+02	7.83767E+01
TOTAL 1975		159	1.38297E+03	5.09934E+02

WEIR 103 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1555	. . .	100	2.51000E+01	9.89748E+00
75 342 1430	. . .	.	2.06000E+01	.
75 349 1535	. . .	108	2.06000E+01	8.77287E+00
75 356 1210	. . .	.	1.58000E+01	.
75 363 1330	. . .	53	2.39000E+01	4.99487E+00
76 005 1500	. . .	.	5.39000E+01	.
76 012 1500	. . .	53	4.68000E+01	9.78076E+00
76 019 1430	. . .	.	2.75000E+01	.
76 026 1525	. . .	193	6.59000E+01	5.01526E+01
76 033 1525	. . .	.	8.17000E+01	.
76 040 1605	. . .	80	4.18000E+01	1.31861E+01
76 047 1115	. . .	.	3.56000E+01	.
76 054 1510	. . .	139	3.56000E+01	1.95126E+01
76 061 1400	. . .	.	3.01000E+01	.
76 068 1420	. . .	192	2.51000E+01	1.90032E+01
76 075 1545	. . .	.	3.86000E+01	.
76 082 1510	. . .	183	3.14000E+01	2.26585E+01
76 089 1410	. . .	.	3.01000E+01	.
76 096 1505	. . .	133	3.86000E+01	2.02437E+01
76 103 1435	. . .	.	2.63000E+01	.
76 110 1440	. . .	211	2.28000E+01	1.89700E+01
76 117 1515	. . .	.	1.67000E+01	.
76 124 1525	. . .	88	2.06000E+01	7.14826E+00
76 131 1450	. . .	.	9.54000E+00	.
76 138 1500	. . .	204	1.24000E+01	9.97476E+00
76 145 1430	. . .	.	5.09000E+00	.
76 153 1500	. . .	186	1.32000E+01	9.68139E+00
76 159 1455	. . .	.	3.83000E+00	.
76 166 1530	. . .	320	8.99000E+01	1.13438E+02
76 173 1537	. . .	.	2.19000E+00	.
76 194 1430	. . .	204	0.00000E+00	0.00000E+00
76 201 1500	. . .	.	1.93000E+00	.
76 222 1445	. . .	344	2.51000E+01	3.40473E+01
76 229 1500	. . .	.	1.17000E+01	.
76 278 1520	. . .	108	7.67000E+00	3.26640E+00
76 286 1506	. . .	.	9.54000E+00	.
76 292 1445	. . .	92	6.05000E+00	2.19479E+00
76 300 1450	. . .	.	6.59000E+01	.
76 306 1630	. . .	39	3.01000E+01	4.62894E+00
76 313 1620	. . .	.	1.67000E+01	.
76 320 1455	. . .	75	1.24000E+01	3.66719E+00
76 327 1530	. . .	.	9.54000E+00	.
76 334 1700	. . .	88	3.01000E+01	1.04448E+01
WINTER 1976		104	5.24900E+02	1.16297E+02
SPRING 1976		171	3.20530E+02	1.07680E+02

WEIR 103 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1976		263	1.47850E+02	1.57167E+02
FALL 1976		80	1.88000E+02	2.42021E+01
TOTAL 1976		145	1.13798E+03	3.95665E+02

WEIR 105 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1535	. . .	.	7.47000E+01	.
75 013 1500	. . .	118	2.17000E+01	6.82827E+01
75 027 1320	. . .	34	3.83000E+00	3.47253E+00
75 034 1035	. . .	41	2.48000E+00	2.71147E+00
75 041 1130	. . .	.	3.46000E+00	.
75 049 1100	. . .	.	3.83000E+00	.
75 055 1100	. . .	.	4.23000E+00	.
75 062 1120	. . .	.	2.19000E+00	.
75 069 1050	. . .	34	2.19000E+00	1.98560E+00
75 076 1150	. . .	.	1.49000E+01	.
75 083 1220	. . .	78	1.76000E+01	3.66080E+01
75 090 1110	. . .	.	5.55000E+00	.
75 097 1110	. . .	51	3.46000E+00	4.70560E+00
75 104 1105	. . .	.	2.48000E+00	.
75 111 1050	. . .	56	2.48000E+00	3.70347E+00
75 118 1100	. . .	.	4.23000E+00	.
75 125 1130	. . .	38	8.89000E+00	9.00853E+00
75 132 1040	. . .	.	3.83000E+00	.
75 139 1040	. . .	73	3.83000E+00	7.45573E+00
75 147 1035	. . .	298	1.93000E+00	1.53371E+01
75 153 1030	. . .	69	2.19000E+00	4.02960E+00
75 160 1030	. . .	243	4.92000E+01	3.18816E+02
75 167 1010	. . .	177	3.88000E+01	1.83136E+02
75 174 1040	. . .	389	1.91000E+02	1.98131E+03
75 181 .	. . .	356	3.92000E+02	3.72139E+03
75 188 0945	. . .	.	1.91000E+02	.
75 195 1040	. . .	296	6.18000E+01	4.87808E+02
75 202 1030	. . .	.	9.54000E+00	.
75 209 1100	. . .	114	8.99000E+01	2.73296E+02
75 216 1005	. . .	.	7.47000E+01	.
75 223 1040	. . .	200	2.98000E+01	1.58933E+02
75 230 1120	. . .	.	1.46000E+00	.
75 237 0956	. . .	259	4.92000E+01	3.39808E+02
75 244 0940	. . .	146	5.55000E+00	2.16080E+01
75 251 1015	. . .	127	1.07000E+00	3.62373E+00
75 258 1045	. . .	208	6.12000E+01	3.39456E+02
75 265 1040	. . .	169	4.92000E+01	2.21728E+02
75 272 1030	. . .	.	7.10000E+00	.
75 280 0840	. . .	91	2.48000E+00	6.01813E+00
75 287 0850	. . .	.	3.11000E+00	.
75 293 0850	. . .	100	7.67000E+00	2.04533E+01
75 301 0955	. . .	.	3.11000E+00	.
75 307 0840	. . .	92	2.48000E+00	6.08427E+00
75 314 1240	. . .	131	3.11000E+00	1.08643E+01
75 321 1145	. . .	116	3.46000E+00	1.07029E+01
75 328 1035	. . .	136	2.48000E+00	8.99413E+00

WEIR 105 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		64	1.16420E+02	7.44667E+01
SPRING 1975		87	7.57500E+01	8.28336E+01
SUMMER 1975		225	1.18614E+03	7.49013E+03
FALL 1975		132	1.52020E+02	6.49533E+02
TOTAL 1975		146	1.52040E+03	8.27132E+03

WEIR 105 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1040	. . .	156	3.46000E+00	1.43936E+01
75 342 1000	. . .	97	1.93000E+00	4.99227E+00
75 349 1010	. . .	100	1.93000E+00	5.14667E+00
75 356 0915	. . .	91	1.26000E+00	3.05760E+00
75 363 1010	. . .	43	3.11000E+00	3.56613E+00
76 005 0930	. . .	.	7.67000E+00	.
76 012 0900	. . .	44	7.10000E+00	8.33067E+00
76 019 1030	. . .	68	2.19000E+00	3.97120E+00
76 026 1255	. . .	71	8.89000E+00	1.68317E+01
76 033 1055	. . .	.	1.58000E+01	.
76 040 0913	. . .	43	5.09000E+00	5.83653E+00
76 047 0757	. . .	.	4.65000E+00	.
76 054 0920	. . .	126	4.65000E+00	1.56240E+01
76 061 0910	. . .	.	3.46000E+00	.
76 068 0940	. . .	92	2.78000E+00	6.82027E+00
76 075 0948	. . .	.	5.08000E+00	.
76 082 0940	. . .	83	3.46000E+00	7.65813E+00
76 089 0955	. . .	.	3.46000E+00	.
76 096 0945	. . .	67	5.09000E+00	9.09413E+00
76 103 0940	. . .	.	2.78000E+00	.
76 110 0940	. . .	117	2.48000E+00	7.73760E+00
76 117 0850	. . .	.	1.69000E+00	.
76 124 0915	. . .	82	2.19000E+00	4.78880E+00
76 131 0845	. . .	.	7.47000E+01	.
76 138 0845	. . .	144	8.99000E+01	3.45216E+02
76 145 0845	. . .	.	3.88000E+01	.
76 153 0855	. . .	103	8.99000E+01	2.46925E+02
76 159 0934	. . .	.	2.22000E+01	.
76 166 0834	. . .	291	1.91000E+02	1.48216E+03
76 173 0930	. . .	.	2.20000E+01	.
76 180 0935	. . .	945	1.91000E+02	4.81320E+03
76 188 0830	. . .	296	6.94000E+03	5.47797E+04
76 194 0855	. . .	224	1.08000E+01	6.45120E+01
76 201 0845	. . .	.	1.91000E+02	.
76 208 0840	. . .	414	6.94000E+03	7.66176E+04
76 215 0932	. . .	.	1.91000E+02	.
76 222 0905	. . .	84	7.67000E+00	1.71808E+01
76 229 0930	. . .	.	2.78000E+00	.
76 236 0905	. . .	232	1.91000E+02	1.18165E+03
76 243 0918	. . .	.	1.91000E+02	.
76 251 0900	. . .	309	6.94000E+03	5.71856E+04
76 257 0904	. . .	.	6.94000E+03	.
76 257 0904	. . .	.	.	.
76 257 0904	. . .	.	.	.
76 264 0900	. . .	141	1.91000E+02	7.18160E+02
76 271 0920	. . .	.	6.94000E+03	.
76 271 0920	. . .	.	.	.

WEIR 105 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 278 0924	. . .	96	8.99000E+01	2.30144E+02
76 286 0940	. . .	.	1.26000E+00	.
76 292 0930	. . .	69	8.99000E+01	1.65416E+02
76 300 0930	. . .	.	1.86000E+01	.
76 306 1000	. . .	34	6.56000E+00	5.94773E+00
76 313 1015	. . .	.	2.19000E+00	.
76 320 0950	. . .	36	1.69000E+00	1.62240E+00
76 327 1005	. . .	.	1.07000E+00	.
76 334 1130	. . .	130	4.65000E+00	1.61200E+01
WINTER 1976		84	7.11900E+01	8.17504E+01
SPRING 1976		98	3.25770E+02	6.28240E+02
SUMMER 1976		324	1.51813E+04	1.39203E+05
FALL 1976		116	2.14178E+04	5.83230E+04
TOTAL 1976		156	3.67118E+04	1.97989E+05

WEIR 106 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 006 1605	. . .	.	1.26000E+00	.
75 013 1520	. . .	478	4.18000E+01	2.09658E+02
75 027 1340	. . .	57	8.89000E+00	5.31721E+00
75 034 1050	. . .	.	6.05000E+00	.
75 041 1145	. . .	.	8.27000E+00	.
75 049 1120	. . .	.	1.32000E+01	.
75 055 1120	. . .	.	8.89000E+00	.
75 062 1135	. . .	.	5.09000E+00	.
75 069 1120	. . .	29	4.23000E+00	1.28720E+00
75 076 1205	. . .	.	2.88000E+01	.
75 083 1240	. . .	144	3.14000E+01	4.74460E+01
75 090 1130	. . .	.	1.24000E+01	.
75 097 1125	. . .	48	8.27000E+00	4.16537E+00
75 104 1125	. . .	.	8.27000E+00	.
75 111 1105	. . .	69	1.09000E+01	7.89192E+00
75 118 1110	. . .	.	1.58000E+01	.
75 125 1150	. . .	30	2.19000E+00	6.89402E-01
75 132 1055	. . .	.	8.89000E+00	.
75 139 1100	. . .	85	8.89000E+00	7.92917E+00
75 147 1055	. . .	80	5.09000E+00	4.27282E+00
75 153 1045	. . .	135	5.55000E+00	7.86201E+00
75 160 1055	. . .	.	5.09000E+00	.
75 167 1030	. . .	231	4.65000E+00	1.12712E+01
75 174 1020	. . .	.	3.11000E+00	.
75 181 .	. . .	219	3.11000E+00	7.14680E+00
75 188 1015	. . .	304	1.46000E+00	4.65729E+00
75 195 1050	. . .	278	1.26000E+02	3.67555E+02
75 202 .	. . .	.	1.86000E+01	.
75 209 1145	. . .	133	2.19000E+00	3.05635E+00
75 216 1020	. . .	.	1.07000E+00	.
75 223 1055	. . .	214	1.07000E+00	2.40273E+00
75 230 1130	. . .	.	4.23000E+00	.
75 237 1013	. . .	215	1.07000E+00	2.41396E+00
75 244 0930	. . .	277	1.24000E+01	3.60420E+01
75 251 1040	. . .	251	2.78000E+00	7.32193E+00
75 258 1100	. . .	.	6.12000E+01	.
75 265 1100	. . .	208	1.69000E+00	3.68856E+00
75 272 1040	. . .	.	1.49000E+01	.
75 280 0850	. . .	76	6.56000E+00	5.23148E+00
75 287 0855	. . .	93	8.27000E+00	8.07041E+00
75 293 0900	. . .	117	1.40000E+01	1.71878E+01
75 301 1005	. . .	.	8.27000E+00	.
75 307 0850	. . .	142	7.10000E+00	1.05792E+01
75 314 1250	. . .	.	8.27000E+00	.
75 321 1155	. . .	176	8.89000E+00	1.64180E+01
75 328 1040	. . .	.	6.56000E+00	.

WEIR 106 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
WINTER 1975		267	9.34500E+01	2.14975E+02
SPRING 1975		77	1.55770E+02	8.15439E+01
SUMMER 1975		223	1.89600E+02	4.42407E+02
FALL 1975		167	1.60890E+02	1.04539E+02
TOTAL 1975		164	5.76670E+02	7.99562E+02

WEIR 106 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1055	. . .	134	8.89000E+00	1.25001E+01
75 342 1010	. . .	.	6.05000E+00	.
75 349 1105	. . .	100	6.05000E+00	6.34837E+00
75 356 0925	. . .	.	4.23000E+00	.
75 363 1015	. . .	53	7.67000E+00	4.26558E+00
76 005 1040	. . .	.	1.58000E+01	.
76 012 0915	. . .	47	1.40000E+01	6.90451E+00
76 019 1035	. . .	106	7.10000E+00	7.89717E+00
76 026 1013	. . .	157	7.67000E+00	1.26358E+01
76 033 1545	. . .	.	3.01000E+01	.
76 040 0932	. . .	109	1.17000E+01	1.33820E+01
76 047 0810	. . .	72	1.17000E+01	8.83945E+00
76 054 0935	. . .	122	1.09000E+01	1.39538E+01
76 061 0925	. . .	71	8.27000E+00	6.16128E+00
76 068 1000	. . .	96	7.67000E+00	7.72634E+00
76 075 1015	. . .	.	1.09000E+01	.
76 082 0950	. . .	71	8.27000E+00	6.16128E+00
76 089 1015	. . .	125	8.27000E+00	1.08473E+01
76 096 1000	. . .	78	1.17000E+01	9.57608E+00
76 103 0957	. . .	126	6.56000E+00	8.67324E+00
76 110 0955	. . .	174	6.05000E+00	1.10462E+01
76 117 0905	. . .	97	4.65000E+00	4.73295E+00
76 124 0937	. . .	.	6.05000E+00	.
76 131 0910	. . .	.	2.48000E+00	.
76 138 0905	. . .	244	3.11000E+00	7.96264E+00
76 145 0905	. . .	.	1.07000E+00	.
76 153 0920	. . .	231	3.11000E+00	7.53841E+00
76 159 0852	. . .	.	8.99000E+01	.
76 166 0850	. . .	509	1.08000E+01	5.76831E+01
76 173 0950	. . .	242	7.47000E+01	1.89689E+02
76 180 1000	. . .	1670	6.94000E+03	1.21614E+05
76 188 0900	. . .	.	1.23000E+03	.
76 194 0906	. . .	196	6.12000E+01	1.25868E+02
76 201 0925	. . .	258	2.98000E+01	8.06758E+01
76 208 0950	. . .	1910	1.23000E+03	2.46516E+04
76 215 0950	. . .	960	3.92000E+02	3.94879E+03
76 222 0930	. . .	144	1.67000E+01	2.52340E+01
76 229 1000	. . .	.	8.89000E+00	.
76 236 0933	. . .	68	1.59000E+01	1.13452E+01
76 243 0940	. . .	.	3.92000E+02	.
76 251 0945	. . .	223	1.23000E+03	2.87817E+03
76 264 0915	. . .	353	1.23000E+03	4.55603E+03
76 278 0945	. . .	124	1.26000E+00	1.63945E+00
76 286 1000	. . .	.	2.78000E+00	.
76 292 0955	. . .	138	1.69000E+00	2.44722E+00
76 300 0950	. . .	117	3.28000E+01	4.02686E+01
76 306 1020	. . .	48	1.09000E+01	5.49003E+00

WEIR 106 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 313 1040	. . .	.	3.83000E+00	.
76 320 1017	. . .	121	3.11000E+00	3.94869E+00
76 327 1030	. . .	.	2.48000E+00	.
76 334 1205	. . .	133	1.09000E+01	1.52120E+01
WINTER 1976		97	1.50130E+02	9.28880E+01
SPRING 1976		131	8.81600E+01	8.04257E+01
SUMMER 1976		619	1.04950E+04	1.50712E+05
FALL 1976		157	2.92175E+03	7.50321E+03
TOTAL 1976		262	1.32517E+04	1.58375E+05

WEIR 107 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1500	. . .	.	1.46000E+00	.
74 343 1400	. . .	106	2.19000E+00	8.23191E+00
74 350 1610	. . .	.	1.02000E+01	.
74 364 1330	. . .	127	7.47000E+01	3.36415E+02
75 006 1000	. . .	55	7.47000E+01	1.45691E+02
75 013 1600	. . .	725	3.11000E+00	7.99557E+01
75 027 1020	. . .	93	3.46000E+00	1.14106E+01
75 034 0955	. . .	.	6.56000E+00	.
75 041 1030	. . .	.	3.83000E+00	.
75 049 1025	. . .	.	3.46000E+00	.
75 055 1020	. . .	.	4.65000E+00	.
75 062 1040	. . .	.	2.78000E+00	.
75 069 1000	. . .	68	2.19000E+00	5.28085E+00
75 076 1045	. . .	.	1.96000E+01	.
75 083 1110	. . .	127	1.09000E+01	4.90887E+01
75 090 1030	. . .	.	5.09000E+00	.
75 097 1025	. . .	28	6.05000E+00	6.00709E+00
75 104 .	. . .	48	2.78000E+00	4.73191E+00
75 111 1015	. . .	72	2.78000E+00	7.09787E+00
75 118 1005	. . .	.	3.46000E+00	.
75 125 1045	. . .	130	5.55000E+00	2.55851E+01
75 132 1000	. . .	.	2.48000E+00	.
75 139 0950	. . .	122	3.46000E+00	1.49688E+01
75 147 0950	. . .	170	2.78000E+00	1.67589E+01
75 153 0945	. . .	61	2.48000E+00	5.36454E+00
75 160 0940	. . .	115	1.23000E+03	5.01596E+03
75 167 0935	. . .	75	1.07000E+00	2.84574E+00
75 174 1107	. . .	.	8.99000E+01	.
75 181 .	. . .	125	7.47000E+01	3.31117E+02
75 188 0910	. . .	89	2.22000E+01	7.00638E+01
75 195 0955	. . .	365	4.02000E+01	5.20319E+02
75 202 1000	. . .	.	7.67000E+00	.
75 209 1015	. . .	124	1.46000E+00	6.41986E+00
75 216 .	. . .	200	8.99000E+01	6.37589E+02
75 223 1000	. . .	93	8.99000E+01	2.96479E+02
75 230 1045	. . .	.	1.26000E+00	.
75 237 0908	. . .	163	6.12000E+01	3.53745E+02
75 244 0855	. . .	192	2.19000E+00	1.49106E+01
75 251 0935	. . .	104	1.07000E+00	3.94610E+00
75 258 0935	. . .	157	4.92000E+01	2.73915E+02
75 265 1015	. . .	239	5.19000E+01	4.39862E+02
75 272 0950	. . .	.	.	.
WINTER 1975		221	1.91100E+02	5.81705E+02
SPRING 1975		92	7.23800E+01	1.34884E+02

WEIR 107 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SUMMER 1975		146	1.71413E+03	7.25481E+03
FALL 1975		173	1.04360E+02	7.32633E+02
TOTAL 1975		147	2.07452E+03	8.68376E+03
75 280 0800	. . .	88	.	.
75 287 0800	. . .	76	.	.
75 293 0805	. . .	125	.	.
75 301 0920	. . .	110	.	.
75 307 0800	. . .	117	.	.
75 314 1155	. . .	186	.	.
75 321 0900	. . .	221	.	.
75 328 0950	. . .	98	.	.
WINTER 1975		221	1.91100E+02	5.81705E+02
SPRING 1975		92	7.23800E+01	1.34884E+02
SUMMER 1975		146	1.71413E+03	7.25481E+03
FALL 1975		143	1.04360E+02	7.32633E+02
TOTAL 1975		143	2.07452E+03	8.68376E+03

WEIR 107 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1010	. . .	106	.	.
75 342 0930	. . .	77	.	.
75 349 0945	. . .	85	.	.
75 356 0845	. . .	91	.	.
75 363 0935	. . .	80	.	.
76 005 0800	. . .	36	.	.
76 012 1030	. . .	78	.	.
76 019 0930	. . .	447	.	.
76 026 0915	. . .	114	.	.
76 033 1015	. . .	133	.	.
76 040 1015	. . .	49	.	.
76 047 1215	. . .	51	.	.
76 054 0850	. . .	130	.	.
76 061 0845	. . .	57	.	.
76 068 0915	. . .	42	.	.
76 075 0915	. . .	68	.	.
76 082 0915	. . .	75	.	.
76 089 0915	. . .	221	.	.
76 096 0900	. . .	156	.	.
76 103 0910	. . .	119	.	.
76 110 0905	. . .	143	.	.
76 117 0830	. . .	26	.	.
76 124 0845	. . .	144	.	.
76 131 0800	. . .	92	.	.
76 138 0810	. . .	504	.	.
76 145 0815	. . .	421	.	.
76 153 1630	. . .	290	.	.
76 159 0810	. . .	.	8.99000E+01	.
76 166 0750	. . .	378	4.92000E+01	6.59489E+02
76 173 0850	. . .	.	8.99000E+01	.
76 180 0840	. . .	187	3.88000E+01	2.57291E+02
76 188 0750	. . .	.	2.22000E+01	.
76 188 0750	. . .	.	.	.
76 194 0800	. . .	314	4.92000E+01	5.47830E+02
76 201 0806	. . .	.	3.88000E+01	.
76 208 0805	. . .	600	1.08000E+01	2.29787E+02
76 222 0820	. . .	192	2.78000E+00	1.89277E+01
76 229 0850	. . .	.	2.19000E+00	.
76 236 0812	. . .	200	2.24000E+01	1.58865E+02
76 243 0840	. . .	.	2.27000E+02	.
76 278 0840	. . .	160	7.47000E+01	4.23830E+02
76 286 0900	. . .	.	1.07000E+00	.
76 292 0840	. . .	118	8.99000E+01	3.76177E+02
76 300 0900	. . .	.	8.27000E+00	.
76 306 0930	. . .	71	2.78000E+00	6.99929E+00
76 313 0940	. . .	.	1.26000E+00	.
76 320 0910	. . .	134	1.07000E+00	5.08440E+00

WEIR 107 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
76 327 0930	. . .	.	8.99000E+01	.
76 334 1040	. . .	169	4.92000E+01	2.94851E+02
WINTER 1976		110	.	.
SPRING 1976		168	.	.
SUMMER 1976		309	6.43170E+02	1.87219E+03
FALL 1976		130	5.45150E+02	1.10694E+03
TOTAL 1976		167	9.61320E+02	2.97913E+03

WEIR 108 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
74 336 1200	. . .	.	1.67000E+01	.
74 343 1220	. . .	120	1.02000E+01	8.13830E+00
74 350 1325	. . .	.	3.21000E+02	.
74 364 1110	. . .	64	4.23000E+00	1.80000E+00
75 006 1315	. . .	.	3.46000E+00	.
75 013 1245	. . .	151	4.68000E+01	4.69867E+01
75 027 1240	. . .	30	1.24000E+01	2.47340E+00
75 034 1340	. . .	.	1.02000E+01	.
75 041 1340	. . .	30	1.32000E+01	2.63298E+00
75 049 1455	. . .	.	1.40000E+01	.
75 055 1345	. . .	.	1.49000E+01	.
75 062 1340	. . .	.	1.02000E+01	.
75 069 1230	. . .	32	8.89000E+00	1.89149E+00
75 076 1445	. . .	.	4.02000E+01	.
75 083 1500	. . .	104	3.56000E+01	2.46170E+01
75 090 1405	. . .	.	2.06000E+01	.
75 097 1510	. . .	8	1.58000E+01	8.40426E-01
75 104 1525	. . .	.	1.32000E+01	.
75 111 1530	. . .	88	1.24000E+01	7.25532E+00
75 118 1500	. . .	.	1.67000E+01	.
75 125 1545	. . .	41	3.14000E+01	8.55984E+00
75 132 1545	. . .	.	1.86000E+01	.
75 139 1440	. . .	92	1.57000E+01	9.60372E+00
75 167 1415	. . .	.	1.09000E+01	.
75 153 1030	. . .	135	1.17000E+01	1.05020E+01
75 160 1510	. . .	.	6.05000E+00	.
75 167 1400	. . .	308	5.55000E+00	1.13657E+01
75 174 1300	. . .	.	2.48000E+00	.
75 181 .	. . .	378	1.69000E+00	4.24747E+00
75 188 1230	. . .	.	8.99000E+01	.
75 195 1515	. . .	357	1.08000E+02	2.56356E+02
75 202 1440	. . .	.	3.14000E+01	.
75 209 1330	. . .	352	7.10000E+00	1.66170E+01
75 216 .	. . .	.	2.48000E+00	.
75 223 1400	. . .	243	2.78000E+00	4.49162E+00
75 230 1515	. . .	.	6.05000E+00	.
75 237 1345	. . .	326	1.69000E+00	3.66316E+00
75 244 1155	. . .	.	2.06000E+01	.
75 251 1325	. . .	154	7.10000E+00	7.26995E+00
75 258 1445	. . .	.	1.07000E+00	.
75 265 1440	. . .	302	3.11000E+00	6.24481E+00
75 272 1415	. . .	.	3.14000E+01	.
75 280 1150	. . .	159	1.40000E+01	1.48005E+01
75 287 1220	. . .	.	1.86000E+01	.
75 293 1145	. . .	208	2.51000E+01	3.47128E+01
75 301 1210	. . .	.	1.67000E+01	.
75 307 1320	. . .	200	1.49000E+01	1.98138E+01

WEIR 108 1975 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 314 1545	. . .	.	1.58000E+01	.
75 322 1255	. . .	186	1.67000E+01	2.06529E+01
75 328 1540	. . .	.	1.49000E+01	.
WINTER 1975		79	4.77290E+02	6.20314E+01
SPRING 1975		71	2.50990E+02	6.32698E+01
SUMMER 1975		300	3.08370E+02	3.07243E+02
FALL 1975		201	1.99980E+02	1.03495E+02
TOTAL 1975		169	1.19413E+03	5.25537E+02

WEIR 108 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
75 335 1520	. . .	213	1.86000E+01	2.63418E+01
75 342 1400	. . .	.	1.40000E+01	.
75 349 1515	. . .	177	1.24000E+01	1.45931E+01
75 356 1130	. . .	.	1.02000E+01	.
75 363 1300	. . .	97	1.40000E+01	9.02926E+00
76 005 1430	. . .	.	3.71000E+01	.
76 012 1415	. . .	125	3.28000E+01	2.72606E+01
76 019 1400	. . .	.	3.01000E+01	.
76 026 1500	. . .	343	4.34000E+01	9.89774E+01
76 033 1450	. . .	.	7.93000E+01	.
76 040 1515	. . .	91	2.63000E+01	1.59129E+01
76 047 1125	. . .	.	2.28000E+01	.
76 054 1430	. . .	235	2.06000E+01	3.21875E+01
76 061 1325	. . .	.	1.67000E+01	.
76 068 1340	. . .	288	1.49000E+01	2.85319E+01
76 075 1305	. . .	.	1.96000E+01	.
76 082 1445	. . .	192	1.58000E+01	2.01702E+01
76 089 1315	. . .	.	1.58000E+01	.
76 096 1415	. . .	204	1.86000E+01	2.52287E+01
76 103 1318	. . .	144	1.40000E+01	1.34043E+01
76 110 1340	. . .	302	1.17000E+01	2.34934E+01
76 117 1307	. . .	.	9.54000E+00	.
76 124 1330	. . .	182	1.02000E+01	1.23431E+01
76 131 1235	. . .	.	5.55000E+00	.
76 138 1340	. . .	384	8.89000E+00	2.26979E+01
76 145 1310	. . .	.	3.11000E+00	.
76 153 1320	. . .	378	6.05000E+00	1.52055E+01
76 159 1345	. . .	.	1.46000E+00	.
76 166 1345	. . .	284	1.59000E+01	3.00239E+01
76 173 1425	. . .	.	2.78000E+00	.
76 194 1308	. . .	118	1.93000E+00	1.51423E+00
76 201 1300	. . .	.	3.88000E+01	.
76 222 1305	. . .	248	2.51000E+01	4.13883E+01
76 229 1325	. . .	.	7.67000E+00	.
76 243 1255	. . .	.	3.92000E+02	.
76 278 1340	. . .	64	3.83000E+00	1.62979E+00
76 286 1350	. . .	.	4.23000E+00	.
76 292 1320	. . .	118	3.46000E+00	2.71463E+00
76 300 1300	. . .	.	3.86000E+01	.
76 306 1505	. . .	65	1.58000E+01	6.82846E+00
76 313 1455	. . .	.	7.10000E+00	.
76 320 1335	. . .	46	7.10000E+00	2.17154E+00
76 327 1400	. . .	.	5.55000E+00	.
76 334 1555	. . .	84	2.06000E+01	1.15053E+01
WINTER 1976		183	3.78300E+02	2.24303E+02

WEIR 108 1976 PHOSPHOROUS
SPOT SAMPLES

FROM	TO	CONCENTRATION (MG/L)	FLOW RATE (L/SEC)	AREA YIELD (MG/HA-SEC)
SPRING 1976		259	1.70440E+02	1.61075E+02
SUMMER 1976		257	4.91690E+02	8.81319E+01
FALL 1976		75	4.98270E+02	2.48497E+01
TOTAL 1976		191	1.12395E+03	4.83154E+02